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October 20, 2010

Ms. Barbara Jakub  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

Re: Fuel Leak Case No: RO0000133

**RECEIVED**

1:53 pm, Oct 25, 2010

Alameda County  
Environmental Health

Enclosed please find the 2010 Second Semi Annual Groundwater Monitoring Report for the former City of Paris Cleaners site located at 3516 Adeline Street, Oakland, CA 94608 and dated November 30, 2009. This report was prepared by Taber Consultants of West Sacramento, California.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,



Paulette Satterley

# 2010 SECOND SEMI-ANNUAL MONITORING REPORT

Former City of Paris Cleaners  
3516 Adeline Street  
Oakland, California 94608

**USTCF Claim #002192**

**Prepared For:**

Ms. Paulette Satterley  
14601 Guadalupe Drive  
Rancho Murieta, CA 95683

**Prepared By:**

Taber Consultants  
3911 West Capitol Avenue  
West Sacramento, CA 95691

Taber Project # 051074

October 18, 2010

***Taber***  
**Since 1954**

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## 1.0 INTRODUCTION

### 1.1 Project Description

On behalf of the Ms. Paulette Satterley, Taber Consultants has prepared this *2010 Second Semi-Annual Monitoring Report* for submittal to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) and Alameda County Health Care Services Agency (ACHSA). The scope of work conducted during this project complies with existing SFBRWQCB and ACHSA directive letters.

### 1.2 Site Location and Description

The former City of Paris Cleaners, located at 3516 Adeline St., Oakland, CA, is a former dry cleaning, laundry and dyeing operation currently owned by Mrs. Debra Runyon. The facility operated as City of Paris Cleaners and Dyers for about 40 years until the 1960's, but cleaning materials and tanks were not completely removed from the site until 1992. The site buildings remained vacant for a number of years following the closure of the dry cleaning operation, and then the owner converted them to residential and light commercial use.

The site lies at the southern corner of the intersection of 35th Street and Adeline Street at approximately 30 feet above mean sea level (amsl) in the northwest portion of the City of Oakland, California. The site buildings currently house on-site living quarters and City of Paris Studios, a workshop for art, art restoration, collectibles and hobbies. Mrs. Runyon acquired the site in July 2000.

### 1.3 Chronological Site History and Previous Subsurface Investigations

In 1987, Frank Champion, the owner at that time, applied for permits for remove Stoddard Solvent storage tanks at the site. Mr. Champion applied for five permits, obtaining permission to remove two 1000-gallon tanks, a 500-gallon tank, a 250-gallon tank and a 150-gallon tank. Underground storage tanks at the site were used to store Stoddard Solvent, the dry cleaning solvent used during operation of the dry cleaning facility until the 1960s when the facility was closed.

On October 4, 1990, Semco Company of San Mateo excavated and reported removing one 750-gallon and two 1,000-gallon underground tanks used to store Stoddard Solvent. Six soil samples were collected in conjunction with the UST removal.

On July 31 and August 1 and 2, 1991, Uriah Inc. (UES) performed a soil vapor survey at the site in an attempt to define the approximate boundaries of soil impacted by Stoddard Solvent. Soil vapors were found to be widely distributed across the site, but due

to physical impediments posed by site structures, sidewalks, etc., the full extent of the impacted soil was not defined.

UES contracted W.A. Craig to overexcavate the eastern portion of the tank pit on August 30, 1991. Approximately 44 cubic yards were excavated and placed in a cell for on-site bioremediation of the impacted soil. During overexcavation, EUS reports that the contractor discovered an additional 250-gallon UST containing "a small volume of liquid" that was stored in a 55-gallon drum on site after removing an aliquot for analysis. This UST was removed and disposed by W. A. Craig on October 31, 1991. An additional 15 cubic yards was overexcavated from the tank pit by W.A. Craig on January 27, 1992 and added to the on-site bioremediation cell.

On March 31, 1992, composite samples of the on-site bioremediated soil were analyzed to verify that sufficient hydrocarbon removal had occurred to reuse as fill on the site. No additional soils were excavated due to safety concerns regarding building foundation integrity, however soil samples were collected from the tank pit side walls. ACHCSA approved use of the bioremediated soil as backfill, and W. A. Craig backfilled the tank pit with bioremediated soil and clean fill on April 21, 1992.

On October 29 and 30, 1992, UES supervised on-site installation of ground water monitoring wells. Soils Exploration Services of Vacaville, California, installed three 30-foot monitoring wells. Initial depth to groundwater measurements in the wells ranged from 13 to 14 feet below grade. Beginning November 18, 1992, groundwater samples were analyzed for Total Petroleum Hydrocarbons (as Stoddard Solvent, TPH-SS), Total Petroleum Hydrocarbons (as diesel, TPH-D), Total Petroleum Hydrocarbons (as gasoline, TPH-G), methyl tertiary butyl ether (MtBE), benzene, toluene, ethylbenzene and total xylenes (BTEX). Samples from all three monitoring wells contained TPH-SS ranging from 630 parts per billion (ppb) in MW-2 to 11,000 ppb in MW-3. TPH-D, TPH-G, MtBE and BTEX concentrations were below laboratory detection limits.

On March 19, 1998, Dugan Associates of San Jose, California (Dugan) advanced six on and off-site soil borings to a total depth of 18 feet below grade. Five of the soil borings were advanced on the north side of 35th Street in the projected downgradient direction from the site (EB-2 through EB-6). One soil boring was advanced on-site to the northwest of the former UST location (EB-1). At each soil boring, Dugan collected a soil sample at 5, 10 and 15 feet below grade and one grab-groundwater sample at 18 feet below grade. The on-site soil boring (EB-1) groundwater sample concentration was 270,000 ppb TPH-SS, with one off-site groundwater sample (EB-5) reporting 780 ppb TPH-SS. Concentrations of analytes for all other groundwater samples from the soil borings were below laboratory detection limits. Soil samples at EB-1 contained 310 and 340 ppb of TPH-SS at 10 and 15 ft. below grade, respectively, and trace amounts of total xylenes and/or toluene.

In September, 1999, ACHSA issued a directive letter which required groundwater analysis for semivolatile organics (SVOCs) and volatile organics (VOCs) historically associated with dry cleaning operations. In December 1999, using EPA method 625 and 3510, or 8270 and 3550, 1,2-dichlorobenzene (DCB), 1,1-dichloroethane (1,1 DCA), 2-methylnaphthalene and naphthalene were detected in samples from one or more wells. Concentrations of other SVOC and VOC analytes were below laboratory detection limits, including denser than aqueous phase liquids (DNAPLs, i.e. pentachlorophenol (PCP)). At that time Dugan defined a north-trending groundwater gradient at 0.003 ft./ft.

In their September, 1999 letter, the ACHSA also noted that according to a database search they believed a 97-foot industrial well had been drilled at the site. The well was located southeast of Monitoring Well 3 (Figure 2).

In March 2002, in compliance with an ACHSA directive letter, WellTest, Inc. (formerly Dugan and Associates) redeveloped the three monitoring wells (by purging 10 well-volumes) and sampled the three wells pursuant to quarterly monitoring responsibilities. WellTest, Inc. also sampled the industrial well on-site. The analytical results of the sampling indicated up to 11,000 µg/L of TPH-SS in the sample from MW-1, no BTEX above laboratory detection limits, up to 31 µg/L MtBE in the sample from MW-3, 0.61 µg/L DCB in the sample from MW-1, and 130 µg/L Naphthalene in MW-1. The groundwater gradient was also defined to the southeast at 0.14 ft./ft., which appears to be an anomalously steep gradient for this site. This steep gradient may be a result of sediment blocking some or all of the screened section of one or more well. When Dugan redeveloped the wells in 2002, they appear to have adversely impacted the ability of the wells to adjust to changing water levels.

Taber Consultants, formerly Western Resource Management (WRM), assumed environmental consulting responsibilities for the site commencing in June 2007. Taber performed groundwater monitoring at the site for the first and second semiannual periods of 2009. In response to a query by ACHSA, Taber submitted a well completion report request to the California Department of Water Resources, in which undated well boring logs for a well at the City of Paris Cleaners, at 3516 Adeline Street, indicated a 97-foot industrial well on the site. Taber also found well drilling information for another industrial well drilled in 1927 for the City of Paris Cleaners, drilled to 295 feet. The location of this well is unknown, and the well could have been covered by buildings constructed after the well was taken out of service.

July 28, 2009, ACHCSA advised Responsible Parties that The California State Water Resources Control Board (State Water Board) had approved Resolution No. 2009-0042, which reduced quarterly groundwater monitoring requirements to semiannual or less frequent monitoring at all sites. In 2009, Taber reduced monitoring at the City of Paris Cleaners site to two semiannual monitoring events at the site in February and August. Corresponding reports were the First Semiannual and Second Semiannual Monitoring Reports.

In August of 2009 Taber Consultants evaluated using the HydraSleeve<sup>®</sup> no-purge sampling protocol at the site. With verbal authorization from Barbara Jakub of ACHCSA, on March 17, 2010, Taber Consultants implemented ongoing use of the HydraSleeve<sup>®</sup> sampling protocol for all wells at the site.

## **2.0 GROUNDWATER MONITORING, SAMPLING, AND ANALYSIS**

On August 18, 2010, to comply with semi-annual groundwater monitoring requirements, Taber Consultants gauged and sampled on-site groundwater monitoring wells MW-1 through MW-3. An on-site industrial well (W-IND) was also monitored and sampled this period.

### **2.1 Groundwater Monitoring**

Depth-to-groundwater was measured in the three monitoring wells using a water level meter capable of measurements to within 0.01 foot. Groundwater elevation was 4.79, 5.16 and 4.56 above mean sea level (amsl) at MW-1, MW-2 and MW-3, respectively. The apparent direction of groundwater flow is to the northeast at a gradient of 0.037 feet per foot. A groundwater surface contour map is included as Figure 3 and groundwater elevation data are summarized in Tables 1 and 2. Field data sheets for the groundwater monitoring are included as Appendix A.

### **2.2 Groundwater Sampling and Analysis**

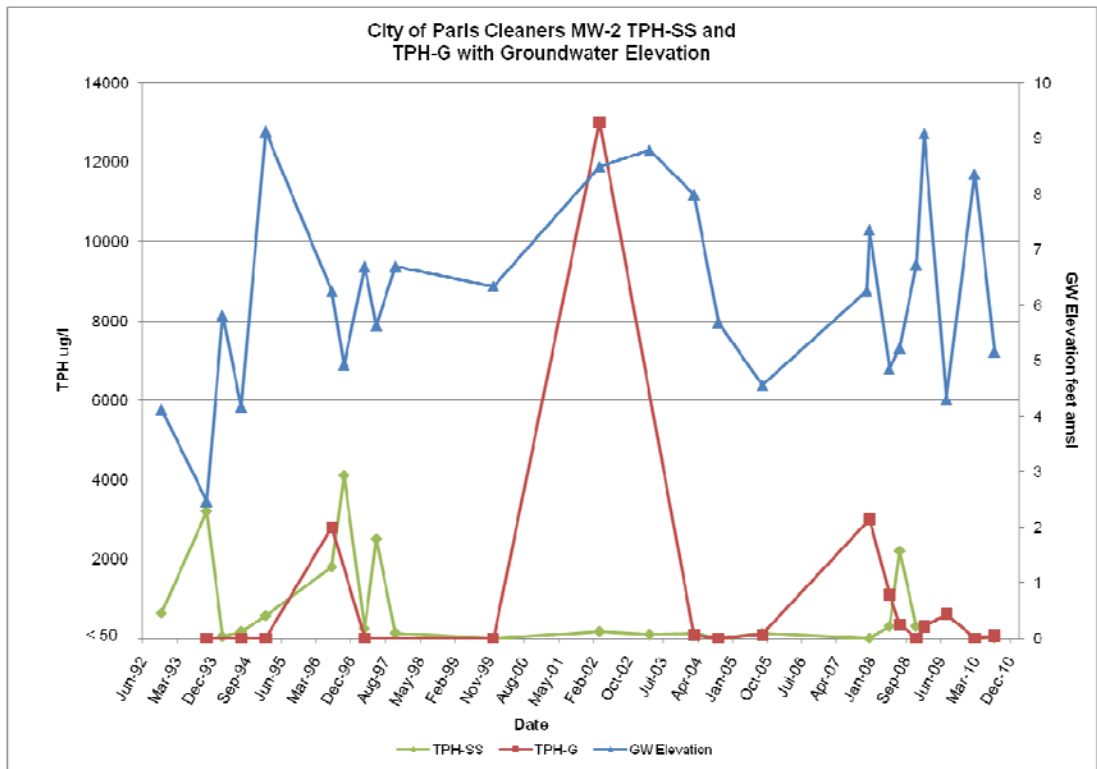
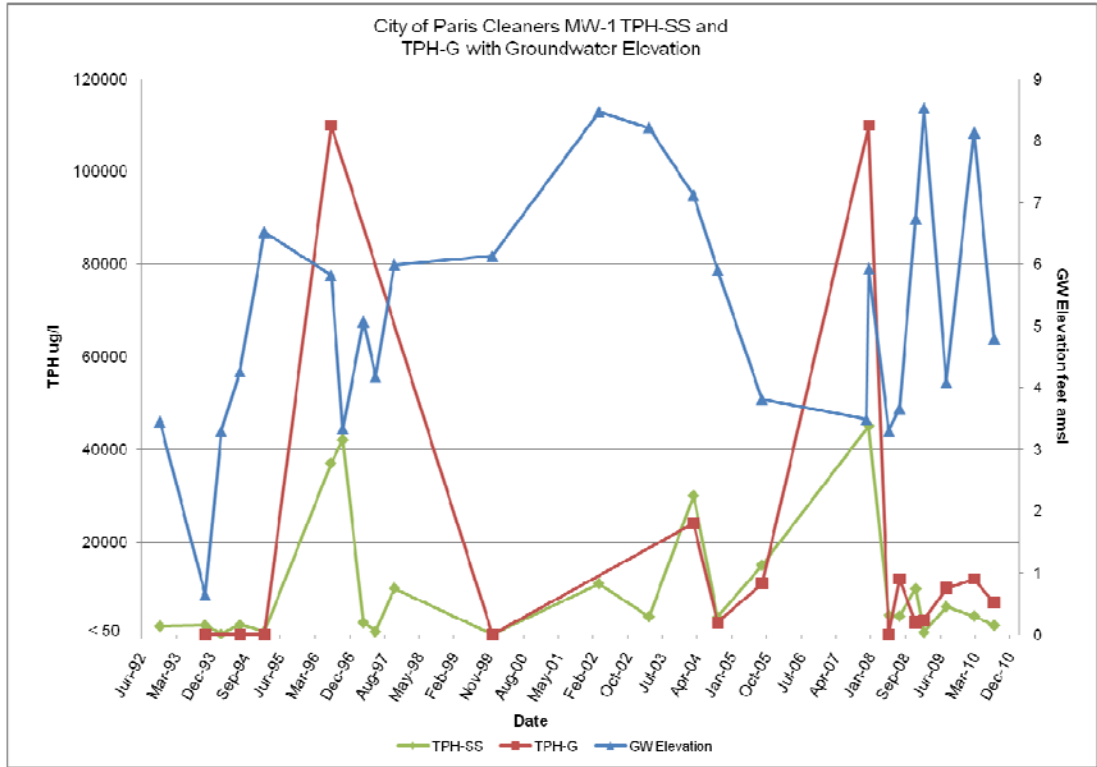
Following groundwater level measurements, the four wells were sampled in accordance with the HydraSleeve<sup>®</sup> no-purge sampling protocol. The HydraSleeve<sup>®</sup> was lowered into the well, water levels were allowed to equilibrate, then a representative sample from the groundwater was collected using the HydraSleeve<sup>®</sup> as it was carefully retrieved from the well. Taber Consultants then transferred the sample from the HydraSleeve<sup>®</sup> into the laboratory-supplied containers. The samples were transported in an iced cooler with chain-of-custody documentation to Sparger Technology, Inc. (Sparger), of Rancho Cordova, California, a state certified analytical laboratory (ELAP Certification #1614).

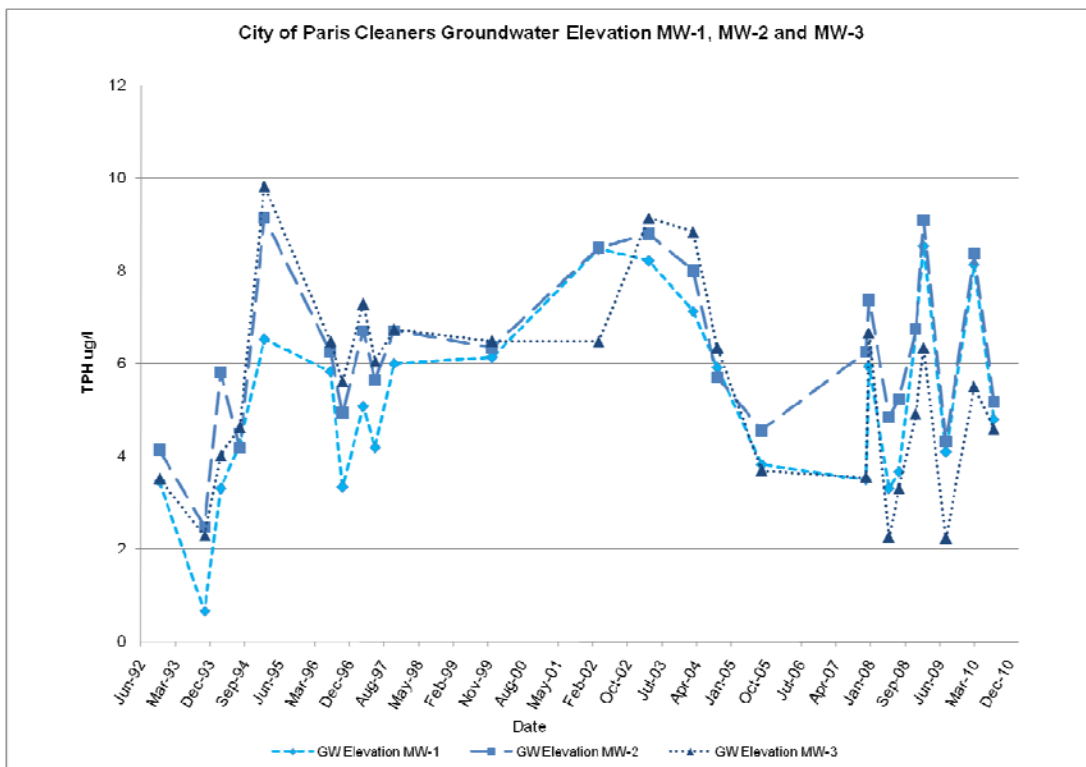
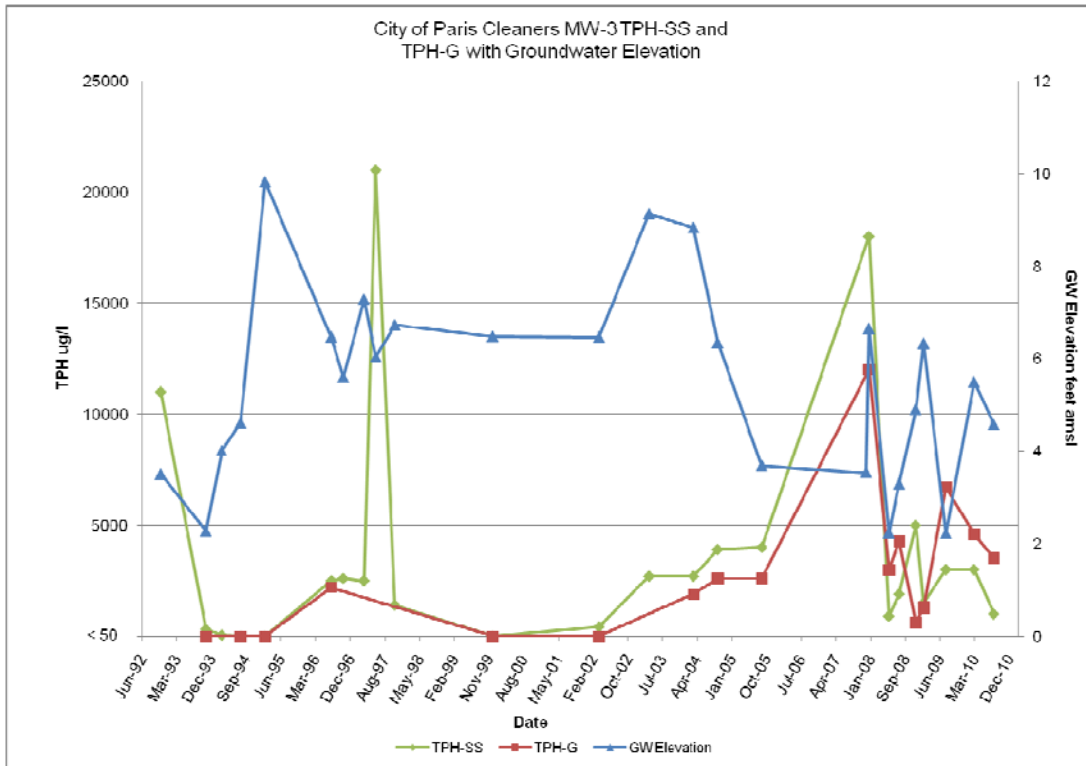
Sparger analyzed each of the groundwater samples for Total Petroleum Hydrocarbons as Stoddard solvent (TPH-SS) and Total Petroleum Hydrocarbons as gasoline (TPH-G) by EPA Method 8015B, benzene, toluene, ethyl benzene and xylenes (BTEX), and oxygenate methyl tertiary butyl ether (MtBE) by EPA Method 8260B.

TPH-SS was detected in groundwater samples collected from MW-1 and MW-3 at 2,000 and 1,000 µg/l, respectively. TPH-G was detected in groundwater samples collected from MW-1, MW-2 and MW-3 at 6,900, 70 and 3,500 µg/l, respectively. MtBE was detected in groundwater samples collected from MW-2 at 2.4 µg/l. In all well samples BTEX concentrations were below minimum laboratory detection limits. All tested analytes were below laboratory detection limits in W-IND.



Concentration of TPH-SS, TPH-G and groundwater levels versus time graphs are presented for MW-1, MW-2, and MW-3 below.





The distribution of petroleum hydrocarbon compounds and fuel oxygenates in shallow groundwater is shown on Figure 4. The groundwater sample analytical results are summarized in Tables 1 and 2 and the laboratory reports, notes, and comments are included in Appendix B.

### 3.0 SCHEDULE OF UPCOMING ACTIVITIES

On behalf of Ms. Paulette Satterley, Taber Consultants has been directed by the ACHCSA to perform further site characterization and site monitoring. Taber Consultants has prepared a *Continuing Site Investigation Work Plan* for the City of Paris Cleaners that will improve understanding of soil and groundwater impacts at the site. Taber Consultants has also prepared an *Additional Site Investigation Work Plan Addendum* that will provide information regarding the distribution of soil vapors at the site. Site investigation history, further site investigation, wellhead elevation resurvey, and a soil vapor investigation will form the basis for development of a Site Conceptual Model. Upon approval of the Work Plan and Work Plan Addendum by ACHCSA, Taber Consultants will obtain necessary permits and perform the necessary work at the City of Paris Cleaners site.

In February, 2011, Taber Consultants will gather monitoring data for the First Semiannual Groundwater Monitoring Report for 2011. Taber Consultants will compile that monitoring data with historical data to evaluate trends at the site.

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

In March, 2010, Taber Consultants changed to the HydraSleeve<sup>®</sup> no-purge sampling protocol. All tested analytes remained below minimum laboratory detection limits in W-IND.

A source of TPH-G has been identified at the Zimmerman property adjacent to the City of Paris Cleaners at 3442 Adeline Street. In their July 31, 2009, *Groundwater Monitoring Well Installation Report*, AEI Consultants reported soil boring grab groundwater samples taken May 14, 2008, from SB-25, SB-26, and SB-27 had concentrations of TPH-G 3,600, 2,300, and 740 ug/l, respectively. The SB-25 and SB-26 borings were placed along the property boundary between 3516 Adeline and 3442 Adeline Street, such that the two borings are less than 100 feet from the monitoring wells at the City of Paris site. The effects from the TPH-G and BTEX plume from the Zimmerman property at the City of Paris site have not been determined at this time.

Concentrations of TPH-SS in MW-1 and MW-3 groundwater samples exceed the general TPH taste and odor threshold of 100 ug/L for middle distillates as defined by the San Francisco Bay Regional Water Quality Control Board. Historically, the concentrations of TPH-SS has also exceeded the groundwater nuisance and odor concerns screening level of 5,000 ug/L for TPH, and has shown neither a significant decreasing trend nor an increasing trend, suggesting that no degradation is occurring at the site.

The lateral extent of impacted groundwater continues to be concentrated in the vicinity of the former tank pit, concentrated in the northwest-southeast pattern between MW-1 and MW-2 and extending to the northeast as defined in previous off-site soil borings. The stability of concentrations of TPH-SS in groundwater appears to indicate a residual soil source area remaining on the property. The groundwater plume remains undefined both down and cross gradient from the location of the former UST's at the site. Taber Consultants believes that additional site investigation planned for the fourth quarter of 2010 or first quarter of 2011 will provide further insight regarding the lateral and vertical extent of the plume, as well as define vapor migration at the site.

Taber Consultants have noted anomalously steep gradients at the site. The ACHCSA agreed in their March 10, 2009, letter that re-surveying the wells is necessary, however in light of the several-foot difference in water elevation between MW-3 and the other monitoring wells, additional steps are likely to be necessary including well swabbing and an additional redevelopment to clear out sediment blockages.

## 5.0 REFERENCES

AEI Consultants, *Groundwater Monitoring Well Installation Report*, 3442 Adeline Street, Oakland, CA 94608, dated July 31, 2009.

## 6.0 REPORT DISTRIBUTION

Ms. Paulette Satterley  
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Ms. Barbara Jakub  
Alameda County Health Care Services Agency  
1131 Harbor Parkway, Suite 250  
Alameda CA, 94502

Ms. Cherie McCaulou  
San Francisco Bay Regional Water Quality Control Board  
1515 Clay St., Suite 1400  
Oakland, CA 94612

## 7.0 REMARKS AND SIGNATURE

The interpretations and/or conclusions contained in this report represent our professional opinions and are based in part on information supplied by the client. These opinions are based on currently available information and were developed in accordance with currently accepted geologic, hydrogeologic, and engineering practices in Alameda County, California in 2010. Other than this, no warranty is implied or intended.

This report has been prepared solely for the use of Ms. Paulette Satterley. Any reliance on this report by third parties shall be at such parties' sole risk. The work described herein was performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

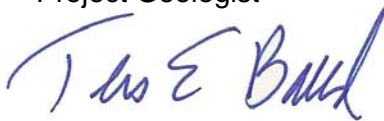
We appreciate the opportunity to provide you with geologic, engineering and environmental consulting services and trust this report meets your needs. If you have any questions or concerns, please call us at (916) 371-1690.

Sincerely,

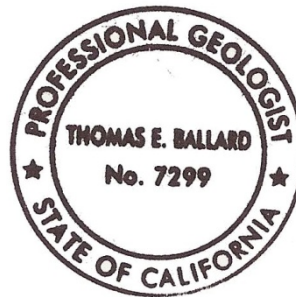
### **Taber Consultants**



Ellen Pyatt, MSc.  
Project Geologist

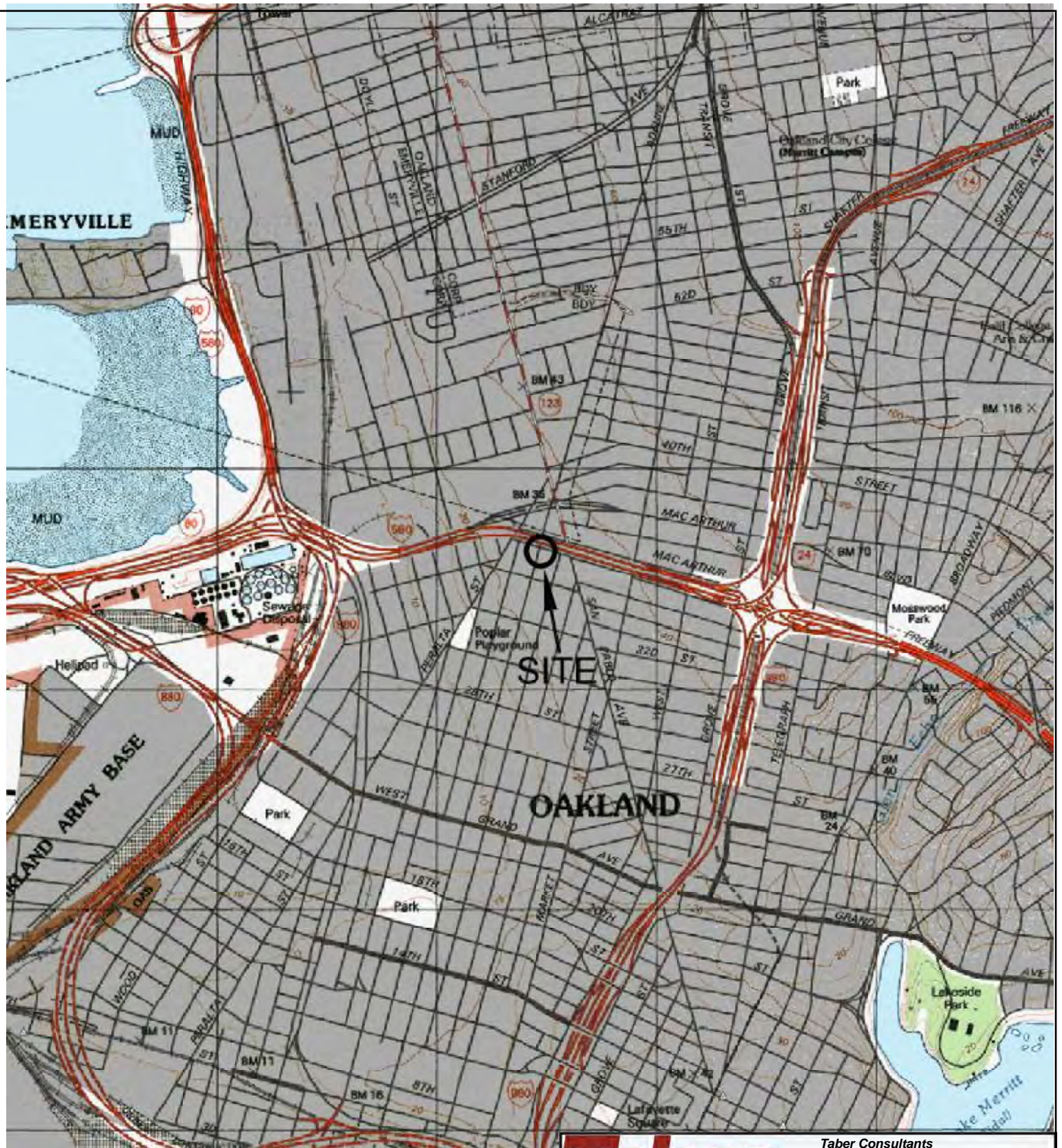


Thomas E. Ballard, P.G. #7299  
Senior Geologist





## FIGURES



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*Former City of Paris*

*3516 Adeline Street  
Oakland, California*

**Vicinity Map**

051074

February 19, 2009

Figure 1

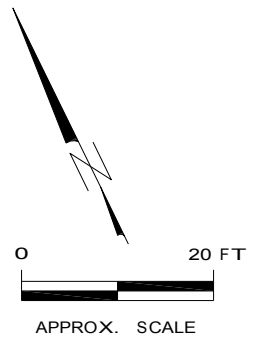
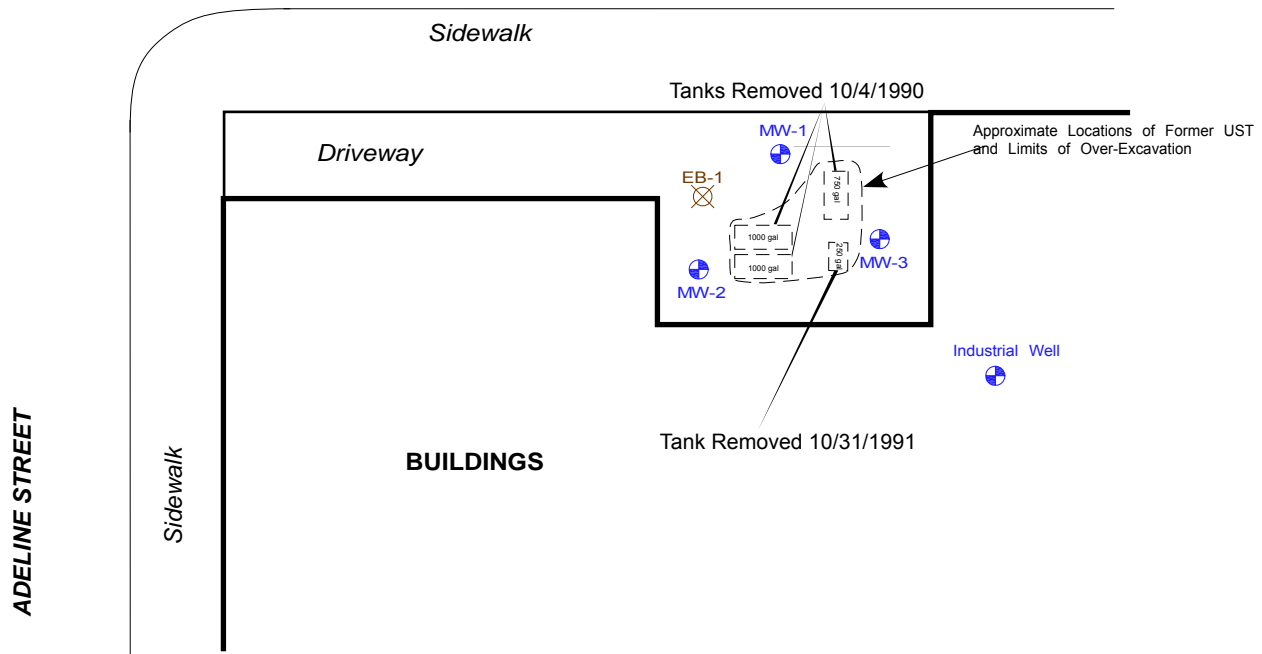


Scale: 1:24,000

Source:  
USGS West Oakland  
Quadrangle Topographic Map  
Report, 7.5 Minute Series  
(topographic), dated 1993

EB-2 EB-3 EB-4 EB-5 EB-6

35TH STREET



**LEGEND**

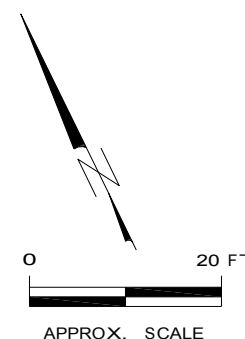
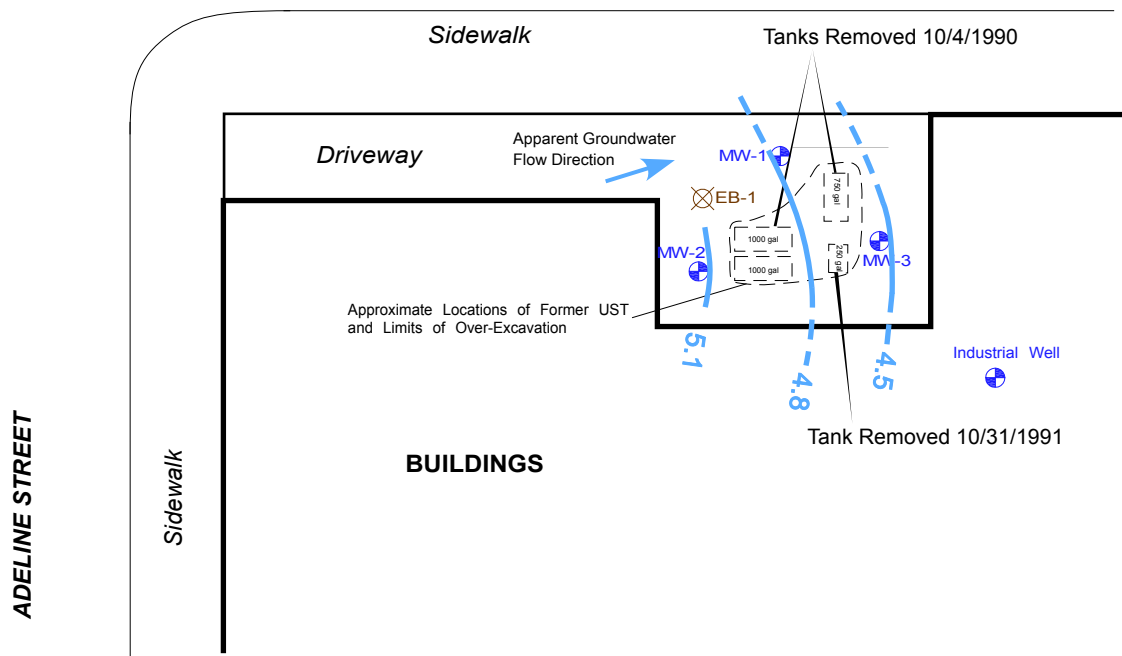
- MW-1 GROUNDWATER MONITORING WELL
- EB-1 SOIL BORING (1998)
- APPROXIMATE UNDERGROUND STORAGE TANK LOCATIONS

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<b>Former City of Paris</b>		
<b>3516 Adeline Street Oakland, California</b>		
<b>Site Map</b>		
051074	June 9, 2010	Figure 2

EB-2                      EB-3                      EB-4                      EB-5                      EB-6

⊗                      ⊗                      ⊗                      ⊗                      ⊗

**35TH STREET**



**LEGEND**

- MW-1 GROUNDWATER MONITORING WELL
- EB-1 SOIL BORING (1998)
- APPROXIMATE UNDERGROUND STORAGE TANK LOCATIONS
- GROUNDWATER CONTOUR

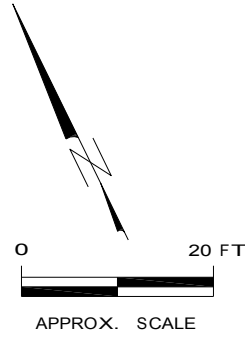
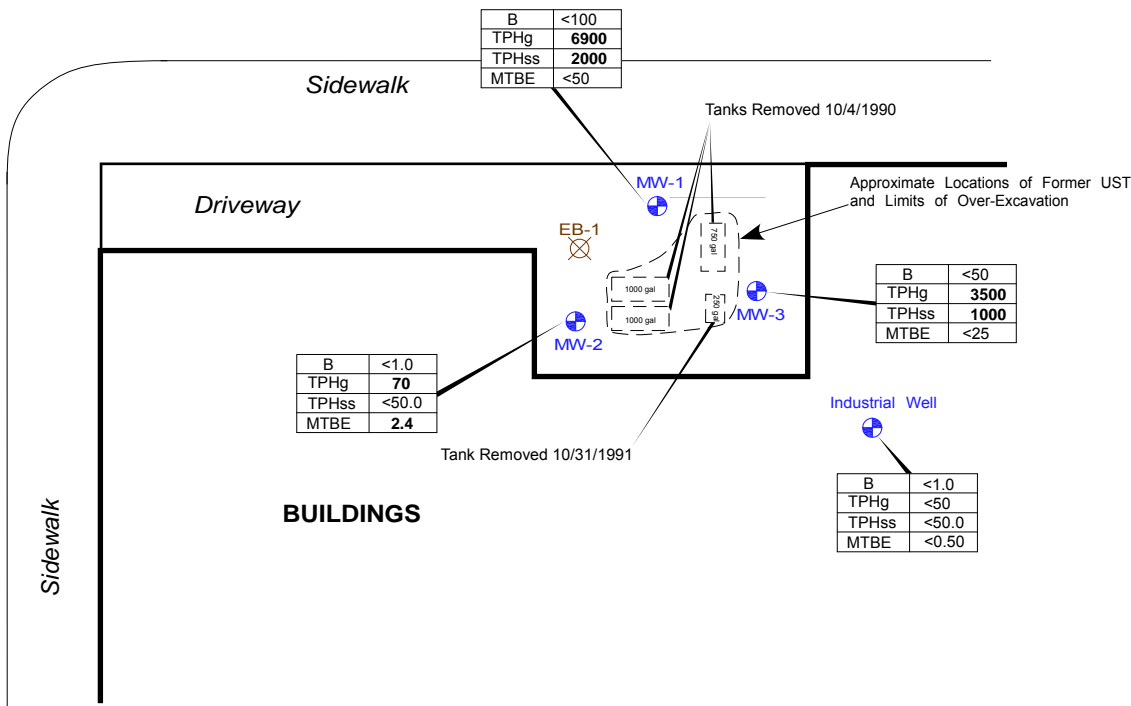
<p><b>Taber</b> Since 1954</p>			<p><b>Taber Consultants Engineers and Geologists</b> 3911 West Capitol Avenue West Sacramento, CA 95691-2116 916.371.1690 Fax 916.371.7265 www.taberconsultants.com</p>		
			<p>Former City of Paris</p>		
<p>3516 Adeline Street Oakland, California</p>					
<p><b>Groundwater Contours</b></p>					
051074	October 14, 2010	Figure 3			

EB-2                      EB-3                      EB-4                      EB-5                      EB-6

⊗                      ⊗                      ⊗                      ⊗                      ⊗

**35TH STREET**

**ADELINE STREET**



**LEGEND**

- MW-1 GROUNDWATER MONITORING WELL
- EB-1 SOIL BORING (1998)
- APPROXIMATE UNDERGROUND STORAGE TANK LOCATIONS

B	<0.50	BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
TPHss	<50	TOTAL PETROLEUM HYDROCARBONS AS STODDARD SOLVENT IN ug/L
TPHg	<50	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN ug/L
MTBE	1.2	METHYL TERTIARY BU TYL ETHER IN ug/L

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**3516 Adeline Street  
Oakland, California**

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**Groundwater Analytical Concentrations**

051074	September 17, 2010	Figure 4
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## TABLES

**TABLE 1**  
**2010 SECOND SEMI-ANNUAL**  
**GROUNDWATER MONITORING AND ANALYTICAL RESULTS**

City of Paris Cleaners  
3516 Adeline Street, Oakland, California 94608

Monitoring Summary					Analytical Summary						
Well ID	Date	Top of Casing amsl	Depth to Water bgs	Groundwater Elevation amsl	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE
		←————— feet —————→			←————— ug/l —————→						
<b>Groundwater Sample Locations</b>											
MW-1	08/18/10	17.44	12.65	4.79	<b>2000</b>	<b>6900</b>	<100	<100	<100	<100	<50
MW-2	08/18/10	17.31	12.15	5.16	<50.0	<b>70</b>	<1.0	<1.0	<1.0	<1.0	<b>2.4</b>
MW-3	08/18/10	17.44	12.86	4.58	<b>1000</b>	<b>3500</b>	<50	<50	<50	<50	<25
W-IND	08/18/10	NA	12.84	--	<50.0	<50	<1.0	<1.0	<1.0	<1.0	<0.50

**Explanation:**

TPHg = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8260B.  
TPH-SS = Total petroleum hydrocarbons as stoddard solvent, analyzed by the 8015B.  
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.  
MTBE = Methyl tertiary-butyl ether, analyzed by EPA Method 8260B.

On March 17, 2010, Taber Consultants implemented the HydraSleeve® no purge protocol for all wells.

amsl = above mean sea level

bgs = below ground surface

NA = Data not available

<n = Below laboratory detection limit of n ppm.

-- = not analyzed

**TABLE 2  
GROUNDWATER MONITORING AND ANALYTICAL RESULTS  
SUMMARY**

City of Paris Cleaners  
3516 Adeline Street, Oakland, California 94608

Monitoring Summary					Analytical Summary										
Well ID	Date	Top of Casing	Depth to Water	Groundwater Elevation	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB	1,1-DCA	2-Methyl-Naphthalene	Naphthalene
		← ft bgs →			← ug/l →										
<b>Groundwater Sample Locations</b>															
EB1-18	03/19/98	18' bgs	Groundwater	Grab Sample	<b>270000</b>	--	ND	<b>93</b>	<b>66</b>	1700	ND	--	--	--	--
EB2-18	03/19/98	18' bgs	Groundwater	Grab Sample	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
EB3-18	03/19/98	18' bgs	Groundwater	Grab Sample	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
EB4-18	03/19/98	18' bgs	Groundwater	Grab Sample	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
EB5-18	03/19/98	18' bgs	Groundwater	Grab Sample	<b>780</b>	ND	ND	ND	ND	<b>2</b>	ND	--	--	--	--
EB6-18	03/19/98	18' bgs	Groundwater	Grab Sample	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
MW-1	11/18/92	17.44	13.99	3.45	<b>1800</b>	NA	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-1	11/4/1993	17.44	16.79	0.65	<b>2000</b>	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-1	3/8/1994	17.44	14.14	3.3	<b>150</b>	NA	<b>35</b>	<b>40</b>	<b>72</b>	<b>120</b>	NA	--	--	--	--
MW-1	8/2/1994	17.44	13.18	4.26	<b>2100</b>	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-1	2/8/1995	17.44	10.92	6.52	<b>620</b>	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-1**	7/8/1996	17.44	11.62	5.82	<b>37000</b>	<b>110000</b>	<b>1.6</b>	<0.5	<0.5	<b>74</b>	<b>7.9</b>	--	--	--	--
MW-1	10/9/1996	17.44	14.11	3.33	<b>42000</b>	NA	<0.5	<b>5</b>	<0.5	<0.5	NA	--	--	--	--
MW-1	3/18/1997	17.44	12.37	5.07	<b>2600</b>	NA	<0.5	<b>1.5</b>	<b>1.5</b>	<b>9.6</b>	<6.0	--	--	--	--
MW-1	6/19/1997	17.44	13.26	4.18	<b>660</b>	NA	<0.5	<0.5	<b>1.2</b>	<b>0.71</b>	<5.0	--	--	--	--
MW-1	11/14/1997	17.44	11.45	5.99	<b>10000</b>	NA	<0.5	<0.5	<b>110</b>	<b>1.2</b>	<5.0	--	--	--	--
MW-1	12/15/1999	17.44	11.31	6.13	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<b>0.59</b>	<0.5	<0.5
MW-1	03/22/02	17.44	8.97	8.47	<b>11000</b>	--	--	--	--	--	<5.0	--	--	--	<b>130</b>
MW-1	04/15/03	17.44	9.23	8.21	<b>3900</b>	--	<2.5	<2.5	<2.5	<b>3</b>	<b>9</b>	--	--	--	--
MW-1	03/26/04	17.44	10.32	7.12	<b>30000</b>	<b>24000</b>	<50	<50	<50	<50	<500	--	--	--	--
MW-1	09/30/04	17.44	11.53	5.91	<b>3800</b>	<b>2600</b>	<0.5	<0.5	<0.5	<b>2.7</b>	<5	--	--	--	--
MW-1	09/09/05	17.44	13.63	3.81	<b>15000</b>	<b>11000</b>	c	<5	<5	<b>15</b>	<50	--	--	--	--
MW-1	11/30/07	17.44	13.95	3.49	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/20/07	17.44	11.51	5.93	<b>45000</b>	<b>110000</b>	<b>20</b>	<b>50</b>	<b>20</b>	<b>100</b>	<5	--	--	--	--
MW-1	05/23/08	17.44	14.14	3.3	<b>4200</b>	<500	<1	<1	<1	<b>20</b>	<0.50	--	--	--	--
MW-1	08/12/08	17.44	13.78	3.66	<b>4000</b>	<b>12000</b>	<1	<1	<1	<1	<0.50	--	--	--	--



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City of Paris Cleaners  
3516 Adeline Street, Oakland, California 94608

Monitoring Summary					Analytical Summary										
Well ID	Date	Top of Casing	Depth to Water	Groundwater Elevation	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB	1,1-DCA	2-Methyl-Naphthalene	Naphthalene
		ft bgs													
MW-1	12/18/08	17.44	10.71	6.73	<b>9900</b>	<b>2700</b>	<1	<1	<1	<1	<0.50	--	--	--	--
MW-1	02/19/09	17.44	8.91	8.53	<b>500</b>	<b>3100</b>	<10	<10	<10	<10	<5	--	--	--	--
MW-1	08/11/09	17.44	13.35	4.09	<b>13000</b>	<b>7800</b>	<10	<10	<10	<10	<b>5.9</b>	--	--	--	--
<i>MW-1 NP</i>	<i>08/11/09</i>	<i>17.44</i>	<i>13.35</i>	<i>4.09</i>	<i>6000</i>	<i>10000</i>	<i>&lt;10</i>	<i>&lt;10</i>	<i>&lt;10</i>	<i>&lt;10</i>	<i>&lt;5</i>	--	--	--	--
MW-1	03/17/10	17.44	9.31	8.13	<b>4000</b>	<b>12000</b>	<20	<20	<20	<b>20</b>	<10	--	--	--	--
MW-1	08/18/10	17.44	12.65	4.79	<b>2000</b>	<b>6900</b>	<100	<100	<100	<100	<50	--	--	--	--
MW-2	11/18/92	17.31	13.18	4.13	<b>630</b>	NA	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-2	11/04/93	17.31	14.84	2.47	<b>3200</b>	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-2	03/08/94	17.31	11.5	5.81	<b>45</b>	NA	<b>1.4</b>	<b>2</b>	<b>11</b>	<b>19</b>	NA	--	--	--	--
MW-2	08/02/94	17.31	13.14	4.17	<b>170</b>	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-2	02/08/95	17.31	8.18	9.13	<b>570</b>	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-2**	07/08/96	17.31	11.06	6.25	<b>1800</b>	<b>2800</b>	<0.5	<b>2.6</b>	<b>15</b>	<b>24</b>	<b>6.3</b>	--	--	--	--
MW-2	10/09/96	17.31	12.38	4.93	<b>4100</b>	NA	<0.5	<b>0.57</b>	<0.5	<0.5	NA	--	--	--	--
MW-2	03/18/97	17.31	10.61	6.7	<b>240</b>	<0.5	<b>0.57</b>	<0.5	<0.5	<b>5.3</b>	NA	--	--	--	--
MW-2	06/19/97	17.31	11.68	5.63	<b>2500</b>	NA	<0.5	<0.5	<b>9.1</b>	<0.5	<5.0	--	--	--	--
MW-2	11/14/97	17.31	10.61	6.7	<b>130</b>	NA	<0.5	<0.5	<b>0.9</b>	<b>1.2</b>	<5.0	--	--	--	--
MW-2	12/15/99	17.31	10.97	6.34	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<b>0.53</b>	<0.5	<b>49</b>
MW-2	03/22/02	17.31	8.82	8.49	<b>170</b>	<b>13000</b>	<b>410</b>	<b>1000</b>	<b>210</b>	<b>1100</b>	<5.0	--	--	--	<10
MW-2	04/15/03	17.31	8.52	8.79	<b>99</b>	--	<0.5	<0.5	<0.5	<b>0.76</b>	<b>10</b>	--	--	--	--
MW-2	03/26/04	17.31	9.32	7.99	<b>120</b>	<b>93</b>	<0.5	<0.5	<0.5	<b>0.76</b>	<b>5.4</b>	--	--	--	--
MW-2	09/30/04	17.31	11.62	5.69	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
MW-2	09/09/05	17.31	12.75	4.56	<b>120</b>	<b>98</b>	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
MW-2	11/30/07	17.31	11.06	6.25	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/20/07	17.31	9.95	7.36	<50	<b>3000</b>	<1	<b>1.6</b>	<1	<b>2.4</b>	<b>2.9</b>	--	--	--	--
MW-2	05/23/08	17.31	12.46	4.85	<b>300</b>	<b>1100</b>	<1	<1	<1	<1	<b>3.5</b>	--	--	--	--
MW-2	08/12/08	17.31	12.08	5.23	<b>2200</b>	<b>350</b>	<1	<1	<1	<1	<0.50	--	--	--	--
MW-2	12/18/08	17.31	10.58	6.73	<b>300</b>	<50	<1	<1	<1	<1	<b>7.3</b>	--	--	--	--
MW-2	02/19/09	17.31	8.22	9.09	<b>300</b>	<b>300</b>	<1	<1	<1	<1	<b>3.4</b>	--	--	--	--
MW-2	08/11/09	17.31	13.00	4.31	<b>600</b>	<b>610</b>	<1	<1	<1	<1	<b>3.8</b>	--	--	--	--
MW-2	03/17/10	17.31	8.95	8.36	<50	<50	<1	<1	<1	<1	<b>1.8</b>	--	--	--	--

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Well ID	Date	Top of Casing	Depth to Water	Groundwater Elevation	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB	1,1-DCA	2-Methyl-Naphthalene	Naphthalene	
		ft bgs														ug/l
MW-2	08/18/10	17.31	12.15	5.16	<50.0	<b>70</b>	<1.0	<1.0	<1.0	<1.0	<b>2.4</b>	--	--	--	--	
MW-3	11/18/92	17.44	13.93	3.51	<b>11000</b>	NA	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--	
MW-3	11/04/93	17.44	15.16	2.28	<b>320</b>	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--	
MW-3	03/08/94	17.44	13.43	4.01	<b>45</b>	NA	<b>0.8</b>	<b>0.9</b>	<b>5</b>	<b>10</b>	NA	--	--	--	--	
MW-3	08/02/94	17.44	12.82	4.62	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--	
MW-3	02/08/95	17.44	7.62	9.82	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--	
MW-3**	07/08/96	17.44	10.97	6.47	<b>2500</b>	<b>2200</b>	<b>1</b>	<0.5	<b>8.8</b>	<b>8</b>	<b>10</b>	--	--	--	--	
MW-3	10/09/96	17.44	11.84	5.6	<b>2600</b>	NA	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--	
MW-3	03/18/97	17.44	10.16	7.28	<b>2500</b>	NA	<0.5	<b>0.61</b>	<b>0.63</b>	<b>5.2</b>	NA	--	--	--	--	
MW-3	06/19/97	17.44	11.40	6.04	<b>21000</b>	NA	<0.5	<0.5	<b>11</b>	<0.5	<5.0	--	--	--	--	
MW-3	11/14/97	17.44	10.71	6.73	<b>1,400</b>	NA	<0.5	<0.5	<b>28</b>	<b>28</b>	<5.0	--	--	--	--	
MW-3	12/15/99	17.44	10.96	6.48	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	<b>0.87</b>	<b>0.57</b>	<b>25</b>	<b>88</b>	
MW-3	03/22/02	17.44	10.97	6.47	<b>420</b>	<50	<0.5	<0.5	<0.5	<0.5	<b>31</b>	--	--	--	<50	
MW-3	04/15/03	17.44	8.31	9.13	<b>2700</b>	--	<0.5	<0.5	<0.5	<0.5	<b>40</b>	--	--	--	--	
MW-3	03/26/04	17.44	8.61	8.83	<b>2700</b>	<b>1900</b>	<1.7	<1.7	<1.7	<b>4.3</b>	<17	--	--	--	--	
MW-3	09/30/04	17.44	11.1	6.34	<b>3900</b>	<b>2600</b>	<0.5	<0.5	<0.5	<b>3.2</b>	<10	--	--	--	--	
MW-3	09/09/05	17.44	13.75	3.69	<b>4000</b>	<b>2600</b>	<0.5	<0.5	<b>0.57</b>	<b>2.7</b>	<b>12</b>	--	--	--	--	
MW-3	11/30/07	17.44	13.9	3.54	--	--	--	--	--	--	--	--	--	--	--	
MW-3	12/20/07	17.44	10.79	6.65	<b>18000</b>	<b>12000</b>	<1	<b>1.6</b>	<b>1.1</b>	<b>2.4</b>	<b>9.2</b>	--	--	--	--	
MW-3	05/23/08	17.44	15.2	2.24	<b>900</b>	<b>3000</b>	<1	<1	<1	<1	<b>9.1</b>	--	--	--	--	
MW-3	08/12/08	17.44	14.14	3.3	<b>1900</b>	<b>4300</b>	<1	<1	<1	<1	<b>6.5</b>	--	--	--	--	
MW-3	12/18/08	17.44	12.53	4.91	<b>5000</b>	<b>610</b>	<1	<b>1</b>	<1	<1	<b>20</b>	--	--	--	--	
MW-3	02/19/09	17.44	11.11	6.33	<b>1500</b>	<b>1300</b>	<1	<b>1</b>	<1	<1	<b>9</b>	--	--	--	--	
MW-3	08/11/09	17.44	15.22	2.22	<b>1000</b>	<b>2200</b>	<10	<10	<10	<10	<b>7.3</b>	--	--	--	--	
MW-3 NP	08/11/09	17.44	15.22	2.22	<b>3000</b>	<b>6700</b>	<10	<10	<10	<10	<5	--	--	--	--	
MW-3	03/17/10	17.44	11.94	5.5	<b>3000</b>	<b>4600</b>	<10	<10	<10	<10	<b>9.4</b>	--	--	--	--	
MW-3	08/18/10	17.44	12.86	4.58	<b>1000</b>	<b>3500</b>	<50	<50	<50	<50	<25	--	--	--	--	
W-IND	03/22/02	NA	--	--	<50	<b>190</b>	<0.5	<0.5	<0.5	<b>0.8</b>	<5.0	--	--	--	--	
W-IND	04/15/03	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	

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3516 Adeline Street, Oakland, California 94608

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Well ID	Date	Top of Casing	Depth to Water	Groundwater Elevation	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB	1,1-DCA	2-Methyl-Naphthalene	Naphthalene
W-IND	03/26/04	NA	--	--	<b>500</b>	<b>200</b>	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
W-IND	09/30/04	NA	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
W-IND	09/09/05	NA	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
W-IND	11/30/07	NA	12.92	--	--	--	--	--	--	--	--	--	--	--	--
W-IND	12/20/07	NA	11.68	--	<50	<b>500</b>	<1	<b>1</b>	<1	<b>2.2</b>	<.50	--	--	--	--
W-IND	05/23/08	NA	12.72	--	<b>300</b>	<b>250</b>	<1	<b>3.7</b>	<1	<b>2.4</b>	<0.50	--	--	--	--
W-IND	08/12/08	NA	13.42	--	<50.0	<50.0	<1	<1	<1	<1	<0.50	--	--	--	--
W-IND	12/18/08	NA	12.65	--	<50	<50	<1	<1	<1	<1	<b>0.7</b>	--	--	--	--
W-IND	02/19/09	NA	9.74	--	<50	<50	<1	<1	<1	<1	<0.5	--	--	--	--
W-IND	08/11/09	NA	14.13	--	<50	<50	<1	<1	<1	<1	<0.5	--	--	--	--
W-IND	03/17/10	NA	9.78	--	<50	<50	<1	<1	<1	<1	<0.5	--	--	--	--
W-IND	08/18/10	NA	12.84	--	<50.0	<50	<1.0	<1.0	<1.0	<1.0	<0.50	--	--	--	--

**Explanation:**

TPHg = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8260B.

TPH-SS = Total petroleum hydrocarbons as stoddard solvent, analyzed by the 8015B.

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.

MTBE = Methyl tertiary-butyl ether, analyzed by EPA Method 8260B.

NP = HydraSleeve® no purge protocol

On March 17, 2010, Taber Consultants implemented the HydraSleeve® no purge protocol for all wells.

fbg = Feet below grade.

NA = Data not available

<n = Below laboratory detection limit of n ppm.

•• Components found in the gasoline range, however they are not characteristic of gasoline components.

-- = not analyzed

**APPENDIX A.**  
**FIELD DATA SHEETS**

Taber Consultants  
 Groundwater/Liquid Level Data  
 (Measurements in Feet)

Project Address: City of Paris Cleaners  
3516 Adeline Street  
Oakland, CA.

Date: 8/18/10

Project: 51074


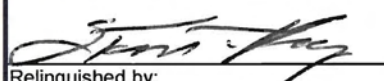
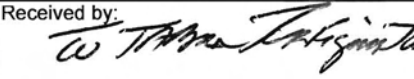
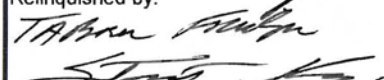

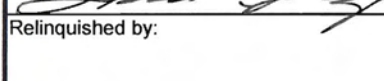
Recorded by: SIC/SA

*3rd QTR 2010 Sampling*

Well No.	Time	Well Elev. TOC	Depth to Groundwater	Measured Total Depth	Groundwater Elevation	<del>Depth to Product</del> <i>Hydrostatic Pressure Measurement Time</i>	<del>Product Thickness</del> <i>Sample Time</i>	Comments
MW-1	08:40		12.65	27.30		09:05	10:00	Sample Volume: 4 Vials, 1-500ml
MW-2	08:30		12.75	29.45		08:55	09:40	Sample Volume: 4 Vials, 1-500ml
MW-3	08:20		12.86	29.70		09:00	09:50	Sample Volume: 4 Vials, 1-500ml
IND W	08:15		12.84	72.95		08:50	09:30	Sample Volume: 4 Vials, 1-500ml

Notes: *Sample Volume: 4 Vials + 1-500ml Amber PPA well*



Project Contact ( PDF To): <b>Tom Ballard</b>			California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<b>Chain-of-Custody Record and Analysis Request</b>																				
Company / Address: <b>Taber Consultants: 3911 West Capitol Ave. West Sacramento, CA 95691</b>			Sampling Company Log Code: <b>WRMC</b>				Analysis Request										TAT										
Phone #: <b>916-371-1690</b>		Fax #: <b>916-371-7265</b>		Global ID: <b>T0600100379</b>														<input type="checkbox"/> 12 hr									
Project #: <b>51074</b>		P.O. #: <b>3A</b>		Deliver all files to: <b>SNess@TaberConsultants.com</b>														<input type="checkbox"/> 24 hr									
Project Name: <b>GMR CityOfParis</b>			Sampler Signature: 														<input type="checkbox"/> 48 hr										
Project Address: <b>3514 Adeline St. Oakland, CA</b>			Sampling		Container		Preservative			Matrix													<input type="checkbox"/> 72 hr				
Sample ID	Field Point Name	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO <sub>3</sub>	None	Water	Soil	Air	MTBE/IBTEX (EPA 8260B)	TPH Gas (EPA 8015)	5 Oxygenates (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Organics Full List (EPA 8260B)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TPH-SS Stoddard Solvents	Chromatograms	<input checked="" type="checkbox"/> 1 wk	
MW-1	MW-1	8/18/10	11:20	4								X			X									X	X	X	
MW-2	MW-2	8/18/10	11:00	4								X			X									X	X	X	
MW-3	MW-3	8/18/10	11:15	4								X			X									X	X	X	
W-IND	W-IND	8/18/10	10:50	4								X			X									X		X	
Relinquished by: 			Date 8/20/10	Time 04:50	Received by: 				Remarks: please save file(s), PDF's, EDF & XLS name as: <b>sample date year_month_day_project name_WO#</b>																		
Relinquished by: 			Date 8/20/10	Time 1539	Received by: 				<b>EXAMPLE:</b> <b>2010_02_10_GMR_CityOfParis_18495</b>																		
Relinquished by: 			Date	Time	Received by Laboratory:				Bill to: <a href="mailto:Invoice@TaberConsultants.com">Invoice@TaberConsultants.com</a>																		
															For Lab Use Only: Sample Receipt												
Temp °C		Initials		Date		Time																					

**APPENDIX B.**  
**LABORATORY ANALYTICAL REPORT**

Tom Ballard  
Taber Consultants  
3911 West Capitol Ave.  
West Sacramento, CA 95691

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Client	Taber Consultants
Workorder	19504 GMR_CityOfParis
Received	08/20/10

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The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.



---

Ray James  
Laboratory Director



Tom Ballard  
Taber Consultants  
3911 West Capitol Ave.  
West Sacramento, CA 95691

**Workorder** 19504

Enclosed are the results from samples received on August 20, 2010.

The requested analyses are listed below.

<b>SAMPLE</b>	<b>SAMPLE DESCRIPTION</b>	<b>DATE COLLECTED</b>	<b>TEST METHOD</b>
19504001	MW-1, Water	08/18/10	8015B TEPH 8015B TPHgas 8260B BTEX/FOC W
19504002	MW-2, Water	08/18/10	8015B TEPH 8015B TPHgas 8260B BTEX/FOC W
19504003	MW-3, Water	08/18/10	8015B TEPH 8015B TPHgas 8260B BTEX/FOC W
19504004	W-IND, Water	08/18/10	8015B TEPH 8015B TPHgas 8260B BTEX/FOC W

Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 19504

Workorder ID GMR\_CityOfParis

Laboratory ID 19504001  
Sample ID MW-1  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8015B TEPH**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Stoddard Solvent	08/23/10	08/30/10	2000	50.0 ug/L	1:1

Laboratory ID 19504001  
Sample ID MW-1  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas <sup>1</sup>	08/24/10	08/24/10	6900	1000 ug/L	1:20

**Surrogates**

Surrogate	Result	Recovery	Limits
Trifluorotoluene	16 ug/L	80 %	(65 - 135)

<sup>1</sup> - Non-typical TPH pattern present in gas range.

Laboratory ID 19504001  
Sample ID MW-1  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8260B Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	08/26/10	08/26/10	ND	50 ug/L	1:100
Benzene	08/26/10	08/26/10	ND	100 ug/L	1:100
Toluene	08/26/10	08/26/10	ND	100 ug/L	1:100
Ethylbenzene	08/26/10	08/26/10	ND	100 ug/L	1:100
Xylene, Total	08/26/10	08/26/10	ND	100 ug/L	1:100

**Surrogates**

Surrogate	Result	Recovery	Limits
1,2-Dichloroethane-d4	46 ug/L	92 %	(65 - 135)

Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 19504

Workorder ID GMR\_CityOfParis

Laboratory ID 19504002  
Sample ID MW-2  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8015B TEPH**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Stoddard Solvent	8015B TEPH	08/23/10	08/30/10	ND	50.0 ug/L 1:1

Laboratory ID 19504002  
Sample ID MW-2  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas <sup>1</sup>	8015B TPHgas	08/24/10	08/24/10	70	50 ug/L 1:1

**Surrogates**

Surrogate	Result	Recovery	Limits
Trifluorotoluene	15 ug/L	75 %	(65 - 135)

<sup>1</sup> - Non-typical TPH pattern present in gas range.

Laboratory ID 19504002  
Sample ID MW-2  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8260B Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/26/10	08/26/10	2.4	0.50 ug/L 1:1
Benzene	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L 1:1
Toluene	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L 1:1
Ethylbenzene	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L 1:1
Xylene, Total	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L 1:1

**Surrogates**

Surrogate	Result	Recovery	Limits
1,2-Dichloroethane-d4	46 ug/L	92 %	(65 - 135)

Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 19504

Workorder ID GMR\_CityOfParis

Laboratory ID 19504003  
Sample ID MW-3  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8015B TEPH**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Stoddard Solvent	08/23/10	08/30/10	1000	50.0 ug/L	1:1

Laboratory ID 19504003  
Sample ID MW-3  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas <sup>1</sup>	08/24/10	08/24/10	3500	500 ug/L	1:10

**Surrogates**

Surrogate	Result	Recovery	Limits
Trifluorotoluene	15 ug/L	75 %	(65 - 135)

<sup>1</sup> - Non-typical TPH pattern present in gas range.

Laboratory ID 19504003  
Sample ID MW-3  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8260B Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	08/26/10	08/26/10	ND	25 ug/L	1:50
Benzene	08/26/10	08/26/10	ND	50 ug/L	1:50
Toluene	08/26/10	08/26/10	ND	50 ug/L	1:50
Ethylbenzene	08/26/10	08/26/10	ND	50 ug/L	1:50
Xylene, Total	08/26/10	08/26/10	ND	50 ug/L	1:50

**Surrogates**

Surrogate	Result	Recovery	Limits
1,2-Dichloroethane-d4	46 ug/L	92 %	(65 - 135)

Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 19504

Workorder ID GMR\_CityOfParis

Laboratory ID 19504004  
Sample ID W-IND  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8015B TEPH**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Stoddard Solvent	8015B TEPH	08/23/10	08/30/10	ND	50.0 ug/L 1:1

Laboratory ID 19504004  
Sample ID W-IND  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	08/24/10	08/24/10	ND	50 ug/L 1:1

**Surrogates**

Surrogate	Result	Recovery	Limits
Trifluorotoluene	15 ug/L	75 %	(65 - 135)

Laboratory ID 19504004  
Sample ID W-IND  
Matrix Water

Sampled 08/18/10  
Received 08/20/10  
Reported 09/08/10

**8260B Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/26/10	08/26/10	ND	0.50 ug/L 1:1
Benzene	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L 1:1
Toluene	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L 1:1
Ethylbenzene	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L 1:1
Xylene, Total	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L 1:1

**Surrogates**

Surrogate	Result	Recovery	Limits
1,2-Dichloroethane-d4	46 ug/L	92 %	(65 - 135)

**Method Blank Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MB for HBN 392362 [VGXV/3077]				
<b>Laboratory ID</b>	96548	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	08/24/10	08/24/10	ND	50 ug/L	1:1	
<b>Surrogates</b>	<b>Result</b>	<b>Recovery</b>	<b>Limits</b>				
Trifluorotoluene	16 ug/L	80 %	(65 - 135)				

**Lab Control Sample Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	LCS for HBN 392362 [VGXV/3077]				
<b>Laboratory ID</b>	96549	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	08/24/10	08/24/10	1010	50 ug/L	1:1	

**Lab Control Sample Duplicate Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	LCSD for HBN 392362 [VGXV/3077]				
<b>Laboratory ID</b>	96550	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	08/24/10	08/24/10	1040	50 ug/L	1:1	

**Matrix Spike Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MS for HBN 392362 [VGXV/3077]				
<b>Laboratory ID</b>	96551	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	08/24/10	08/24/10	1030	50 ug/L	1:1	

**Matrix Spike Duplicate Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MSD for HBN 392362 [VGXV/3077]				
<b>Laboratory ID</b>	96552	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	08/24/10	08/24/10	1040	50 ug/L	1:1	

**Method Blank Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MB for HBN 392759 [SGXV/2678]				
<b>Laboratory ID</b>	96571	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
Stoddard Solvent	8015B TEPH	08/23/10	08/30/10	ND	50.0 ug/L	1:1	

**Lab Control Sample Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	LCS for HBN 392759 [SGXV/2678]			
<b>Laboratory ID</b>	96572	<b>Matrix</b>	Water			
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
Stoddard Solvent	8015B TEPH	08/23/10	08/30/10	989	50.0 ug/L	1:1

**Lab Control Sample Duplicate Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	LCSD for HBN 392759 [SGXV/2678]			
<b>Laboratory ID</b>	96573	<b>Matrix</b>	Water			
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
Stoddard Solvent	8015B TEPH	08/23/10	08/30/10	878	50.0 ug/L	1:1

**Method Blank Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MB for HBN 393265 [VMXV/3280]			
<b>Laboratory ID</b>	96698	<b>Matrix</b>	Water			
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/26/10	08/26/10	ND	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC	08/26/10	08/26/10	ND	1.0 ug/L	1:1
<b>Surrogates</b>	<b>Result</b>	<b>Recovery</b>	<b>Limits</b>			
1,2-Dichloroethane-d4	49 ug/L	98 %	(65 - 135)			

**Lab Control Sample Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	LCS for HBN 393265 [VMXV/3280]			
<b>Laboratory ID</b>	96699	<b>Matrix</b>	Water			
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/26/10	08/26/10	44	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC	08/26/10	08/26/10	65	1.0 ug/L	1:1

**Lab Control Sample Report**

**Client ID** Taber Consultants **Sample ID** LCS for HBN 393265 [VMXV/3280]  
**Laboratory ID** 96699 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>(continued)</b>						
Toluene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	63	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	63	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	184	1.0 ug/L	1:1

**Lab Control Sample Duplicate Report**

**Client ID** Taber Consultants **Sample ID** LCSD for HBN 393265 [VMXV/3280]  
**Laboratory ID** 96700 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	43	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	66	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	64	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	64	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	184	1.0 ug/L	1:1

**Matrix Spike Report**

**Client ID** Taber Consultants **Sample ID** MS for HBN 393265 [VMXV/3280]  
**Laboratory ID** 96701 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	63	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	66	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	66	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	66	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	189	1.0 ug/L	1:1

**Matrix Spike Duplicate Report**

**Client ID** Taber Consultants **Sample ID** MSD for HBN 393265 [VMXV/3280]  
**Laboratory ID** 96702 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	53	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	56	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	56	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC08/26/10	08/26/10	08/26/10	57	1.0 ug/L	1:1



**Matrix Spike Duplicate Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MSD for HBN 393265 [VMXV/3280]			
<b>Laboratory ID</b>	96702	<b>Matrix</b>	Water			

<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
(continued)						
Xylene, Total	8260B BTEX/FOC	08/26/10	08/26/10	160	1.0 ug/L	1:1

QC SUMMARY

<b>Client ID</b>	Taber Consultants	<b>Original</b>	19497004
<b>QC Batch</b>	VGX 3197	<b>Samples</b>	Matrix Spike [96551] Matrix Spike Duplicate [96552]
<b>Matrix</b>	Water		

<b>Parameter</b>	<b>Spike %Recovery</b>	<b>Spike Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
TPHgas	103	104	(65-135)	1.0	(20 MAX)

<b>Client ID</b>	Taber Consultants	<b>Original</b>	19504001
<b>QC Batch</b>	VMX 3319	<b>Samples</b>	Matrix Spike [96701] Matrix Spike Duplicate [96702]
<b>Matrix</b>	Water		

<b>Parameter</b>	<b>Spike %Recovery</b>	<b>Spike Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Methyl-tert-butyl-ether	126	106	(65-135)	17	(20 MAX)
Benzene	132	112	(65-135)	16	(20 MAX)
Toluene	132	112	(65-135)	16	(20 MAX)
Ethylbenzene	132	114	(65-135)	15	(20 MAX)
Xylene, Total	126	107	(65-135)	16	(20 MAX)

<b>Client ID</b>	Taber Consultants	<b>Samples</b>	Lab Control Sample [96549] Lab Control Sample Duplicate [96550]
<b>QC Batch</b>	VGX 3197		
<b>Matrix</b>	Water		

<b>Parameter</b>	<b>Check %Recovery</b>	<b>Check Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
TPHgas	101	104	(65-135)	2.9	(20 MAX)

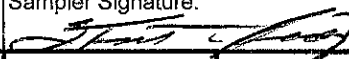
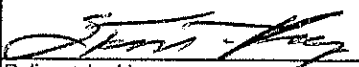
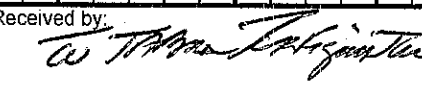
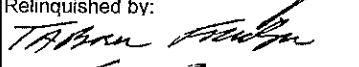

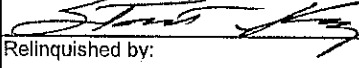
<b>Client ID</b>	Taber Consultants	<b>Samples</b>	Lab Control Sample [96572] Lab Control Sample Duplicate [96573]
<b>QC Batch</b>	SGX 2709		
<b>Matrix</b>	Water		

<b>Parameter</b>	<b>Check %Recovery</b>	<b>Check Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Stoddard Solvent	99	88	(65-135)	12	(20 MAX)

<b>Client ID</b>	Taber Consultants	<b>Samples</b>	Lab Control Sample [96699] Lab Control Sample Duplicate [96700]
<b>QC Batch</b>	VMX 3319		
<b>Matrix</b>	Water		

<b>Parameter</b>	<b>Check %Recovery</b>	<b>Check Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Methyl-tert-butyl-ether	88	86	(65-135)	2.3	(20 MAX)
Benzene	130	132	(65-135)	1.5	(20 MAX)
Toluene	126	128	(65-135)	1.6	(20 MAX)
Ethylbenzene	126	128	(65-135)	1.6	(20 MAX)
Xylene, Total	123	123	(65-135)	00	(20 MAX)



Project Contact ( PDF To): <b>Tom Ballard</b>		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Chain-of-Custody Record and Analysis Request</b>																									
Company / Address: <b>Taber Consultants: 3911 West Capitol Ave.</b> West Sacramento, CA 95691		Sampling Company Log Code: <b>WRMC</b>		<b>Analysis Request</b>										<b>TAT</b>															
Phone #: <b>916-371-1690</b>		Fax #: <b>916-371-7265</b>		Global ID: <b>T0600100379</b>												<input type="checkbox"/> 12 hr													
Project #: <b>51074</b>		P.O. #: <b>3A</b>		Deliver all files to: <b>SNess@TaberConsultants.com</b>												<input type="checkbox"/> 24 hr													
Project Name: <b>GMR CityOfParis</b>		Sampler Signature: 												<input type="checkbox"/> 48 hr															
Project Address: <b>3514 Adeline St.</b> <b>Oakland, CA</b>		<b>Sampling</b>		<b>Container</b>				<b>Preservative</b>			<b>Matrix</b>													<input type="checkbox"/> 72 hr					
																								<input checked="" type="checkbox"/> 1 wk					
Sample ID	Field Point Name	Date	Time	40 ml VOA	Sleeve	Poly	Glass 800 ml	Tedlar	HCl	HNO <sub>3</sub>	None	Water	Soil	Air	MTBE/BTEX (EPA 8260B)	TPH Gas (EPA 8015)	5 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Organics Full List (EPA 8260B)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TPH-SS Standard Solvents	Chromatograms				
MW-1	MW-1	8/18/10	11:20	4			1								X	X									X	X			x
MW-2	MW-2	8/18/10	11:00	4			1								X	X									X	X			x
MW-3	MW-3	8/18/10	11:15	4			1								X	X									X	X			x
W-IND	W-IND	8/18/10	10:50	4			1								X	X									X				x
Relinquished by: 		Date 8/20/10	Time 07:30	Received by: 		Remarks: please save file(s), PDF's, EDF & XLS name as: <b>sample date_year_month_day_project name_WO#</b>																							
Relinquished by: 		Date 8/20/10	Time 15:39	Received by: 		<b>EXAMPLE:</b> <b>2010_02_10_GMR_CityOfParis_18495</b>																							
Relinquished by: 		Date	Time	Received by Laboratory:		Bill to: <a href="mailto:invoice@TaberConsultants.com">invoice@TaberConsultants.com</a>																							
														<b>For Lab Use Only: Sample Receipt</b>															
Temp °C		Initials		Date		Time																							

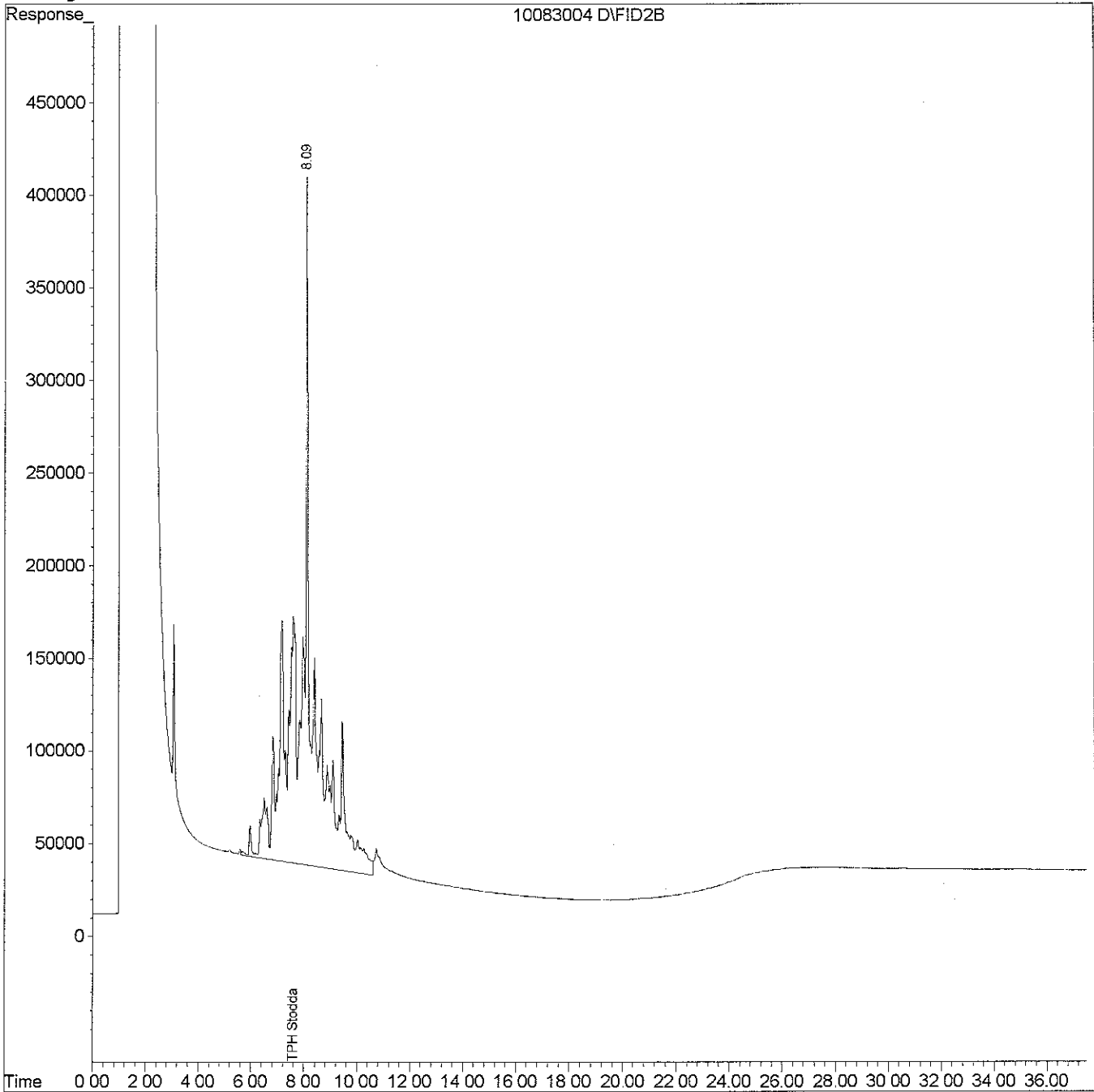
Quantitation Report

Data File : C:\HPCHEM\2\DATA\083010A\10083004.D  
Acq On : 30 Aug 2010 11:32  
Sample : 1000PPM TPH SS STD  
Misc : 1000PPM TPH SS STD (2uL)  
IntFile : EVENTS2.E  
Quant Time: Aug 30 14:06 2010 Quant Results File: TPHST1B.RES

Vial: 4  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 0.50

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um



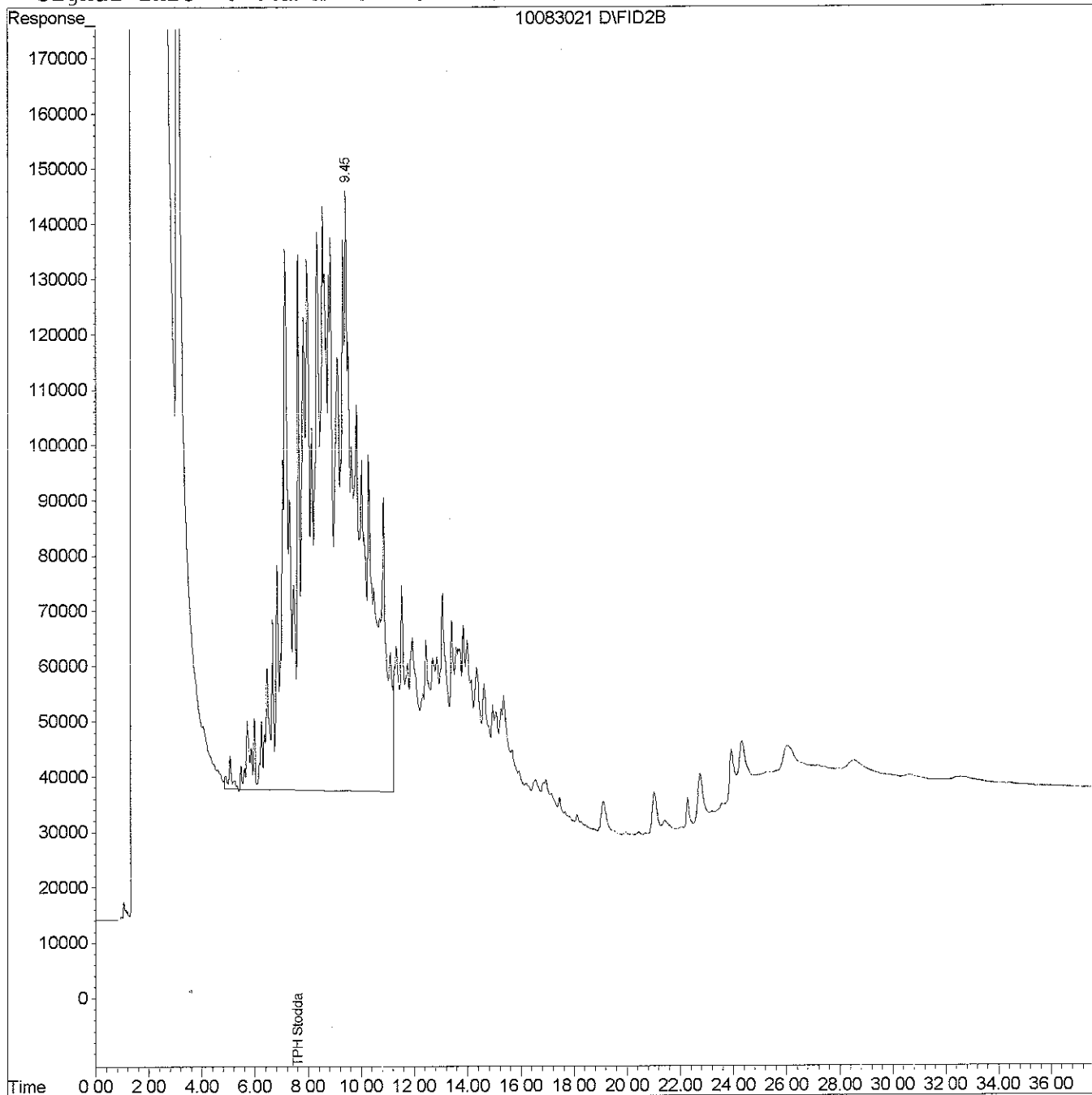
Quantitation Report

Data File : C:\HPCHEM\2\DATA\083010A\10083021.D  
Acq On : 31 Aug 2010 1:27  
Sample : 19504-1; TABER  
Misc : MW-1 (500ML/1ML) 1:2  
IntFile : EVENTS2.E  
Quant Time: Aug 31 9:12 2010 Quant Results File: TPHST1B.RES

Vial: 15  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um



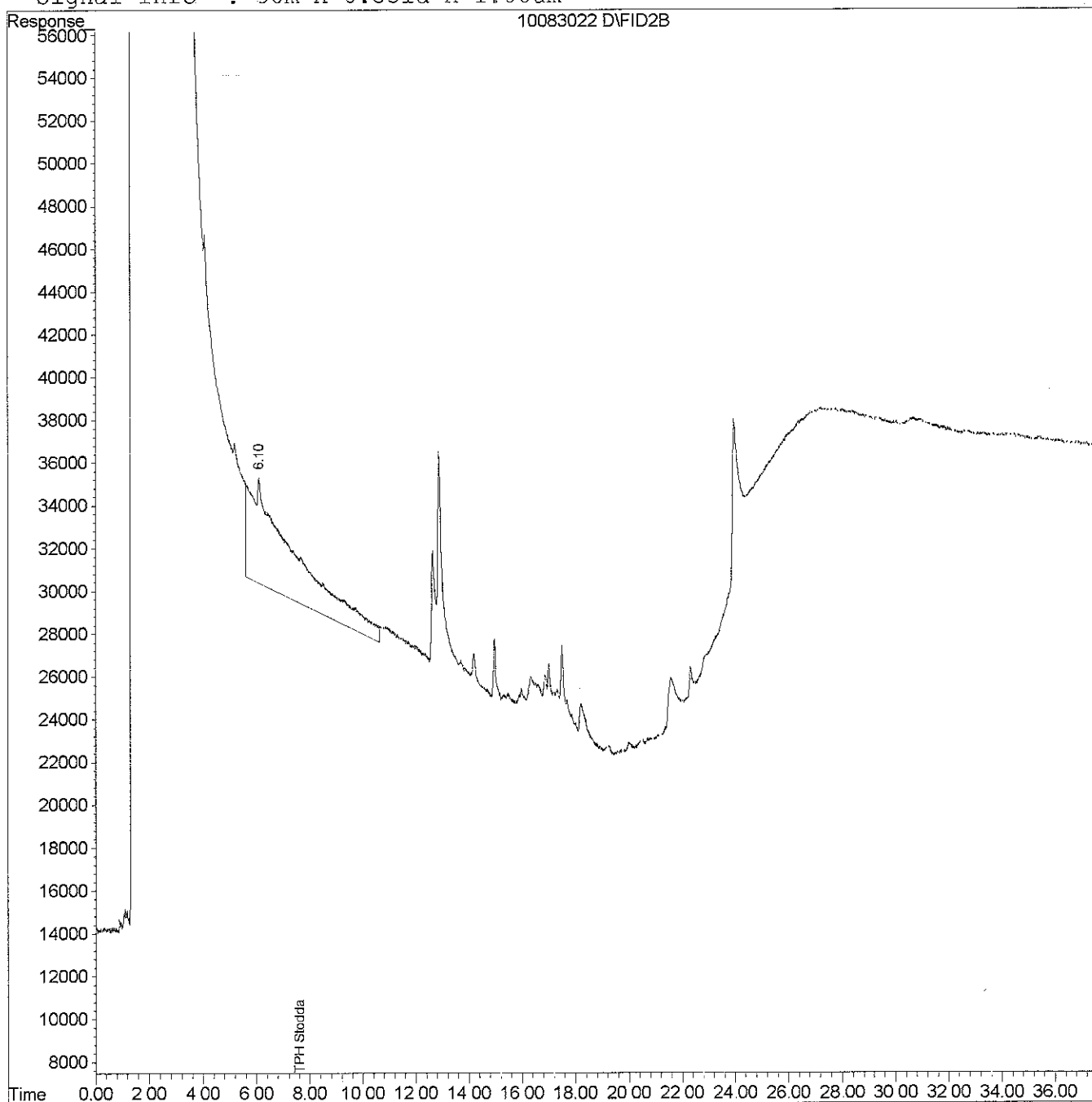
Quantitation Report

Data File : C:\HPCHEM\2\DATA\083010A\10083022.D  
Acq On : 31 Aug 2010 2:14  
Sample : 19504-2; TABER  
Misc : MW-2 (500ML/1ML) 1:2  
IntFile : EVENTS2.E  
Quant Time: Aug 31 9:13 2010 Quant Results File: TPHST1B.RES

Vial: 16  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um



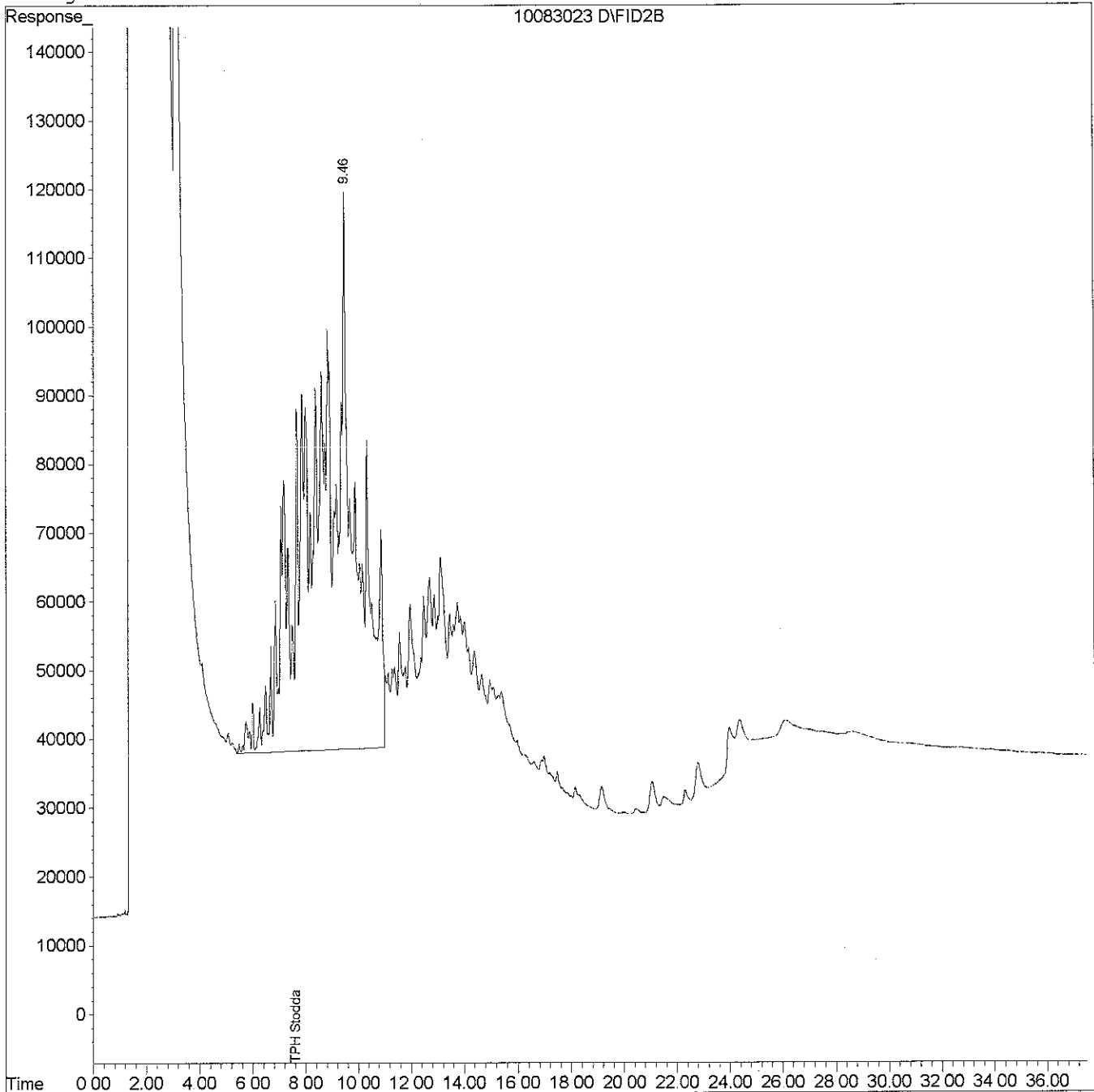
Quantitation Report

Data File : C:\HPCHEM\2\DATA\083010A\10083023.D  
Acq On : 31 Aug 2010 3:02  
Sample : 19504-3; TABER  
Misc : MW-3 (500ML/1ML) 1:2  
IntFile : EVENTS2.E  
Quant Time: Aug 31 9:13 2010 Quant Results File: TPHST1B.RES

Vial: 17  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um



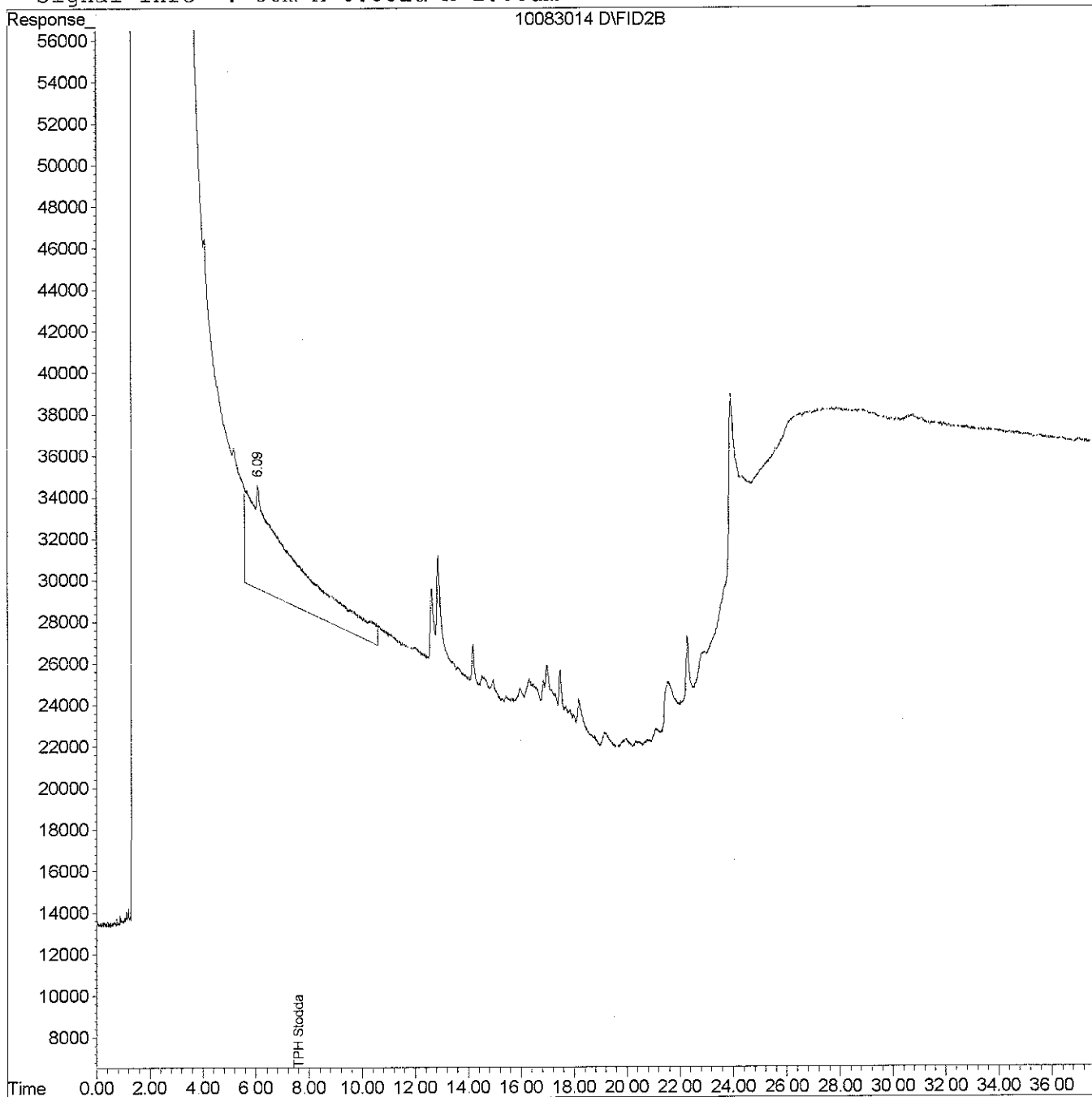
Quantitation Report

Data File : C:\HPCHEM\2\DATA\083010A\10083014.D  
Acq On : 30 Aug 2010 19:56  
Sample : 19504-4; TABER  
Misc : W-IND (500ML/1ML) 1:2  
IntFile : EVENTS2.E  
Quant Time: Aug 31 9:13 2010 Quant Results File: TPHST1B.RES

Vial: 9  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um





Quantitation Report

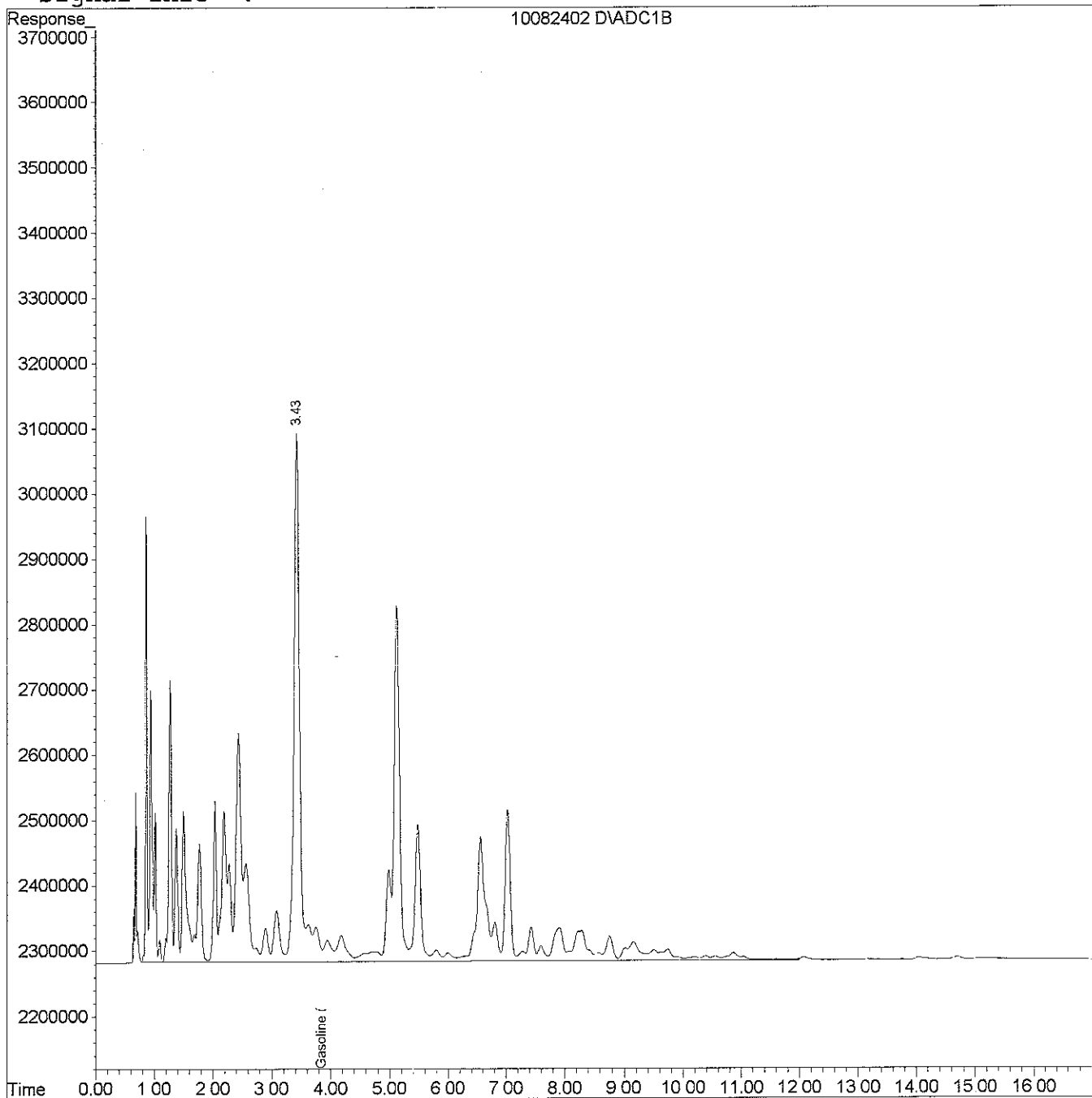
Data File : D:\HPCHEM\1\DATA\082410V4\10082402.D  
Acq On : 24 Aug 2010 8:24  
Sample : 1.0PPM TPHgas  
Misc : P&T (5ML)  
IntFile : TFT1.E  
Quant Time: Aug 24 8:41 2010

Vial: 2  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20

Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Wed Aug 11 08:14:15 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

Volume Inj : 5ml  
Signal Phase :  
Signal Info :



Quantitation Report

Data File : D:\HPCHEM\1\DATA\082410V4\10082427.D  
Acq On : 25 Aug 2010 12:21  
Sample : 19504-01;TABER  
Misc : MW-1 (250UL/5ML) 1:20  
IntFile : TFT1.E  
Quant Time: Aug 25 12:38 2010

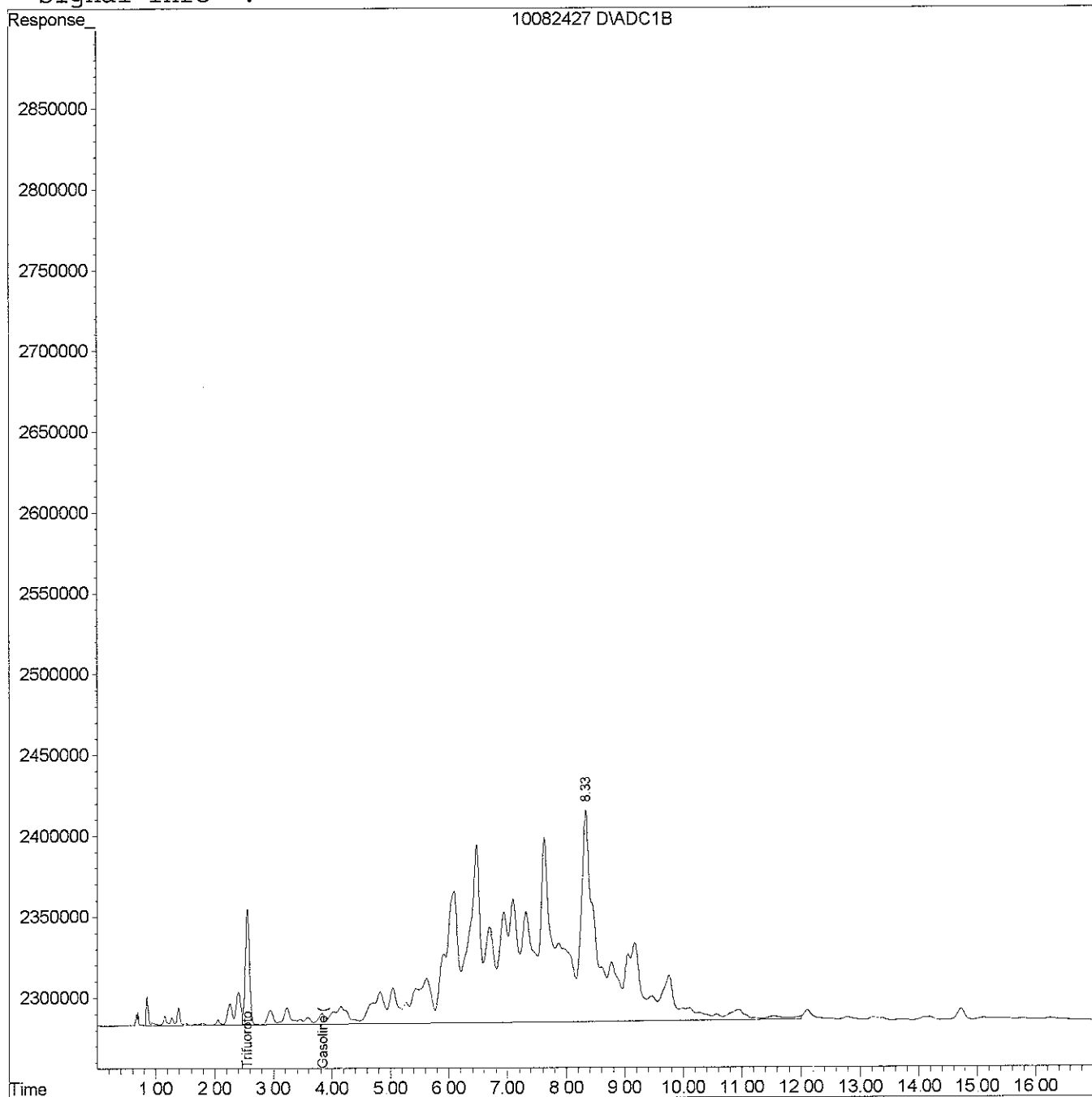
Vial: 22  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 4.00

Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Wed Aug 11 08:14:15 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

2

Volume Inj. : 5ml  
Signal Phase :  
Signal Info :



Quantitation Report

Data File : D:\HPCHEM\1\DATA\082410V4\10082428.D  
Acq On : 25 Aug 2010 12:48  
Sample : 19504-02;TABER  
Misc : MW-2 (2.5ML/5ML) 1:2  
IntFile : TFT1.E  
Quant Time: Aug 25 13:05 2010

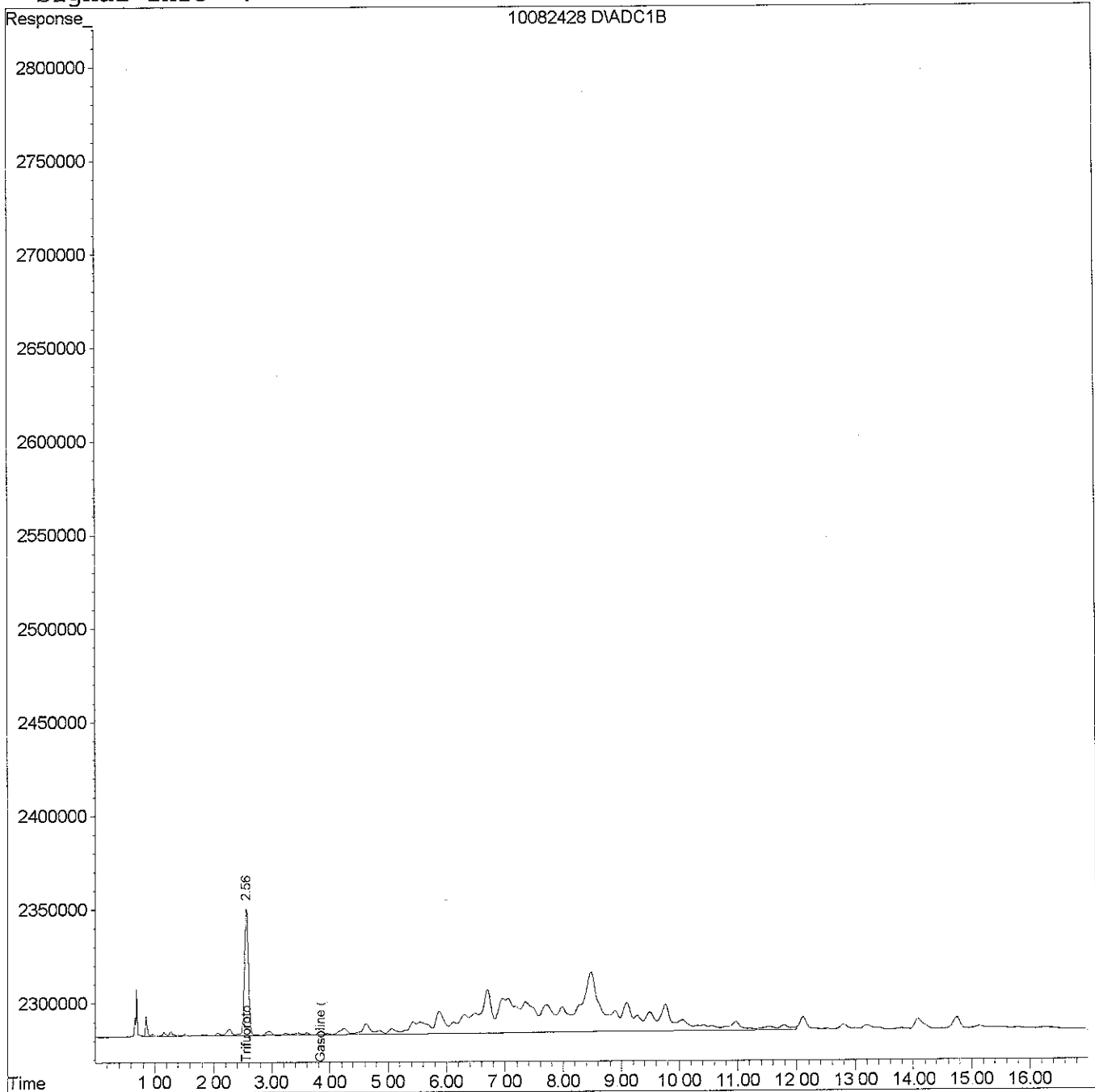
Vial: 23  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.40

Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Wed Aug 11 08:14:15 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

3

Volume Inj. : 5ml  
Signal Phase :  
Signal Info :



Quantitation Report

Data File : D:\HPCHEM\1\DATA\082410V4\10082429.D  
Acq On : 25 Aug 2010 13:14  
Sample : 19504-03;TABER  
Misc : MW-3 (500UL/5ML) 1:10  
IntFile : TFT1.E  
Quant Time: Aug 25 13:31 2010

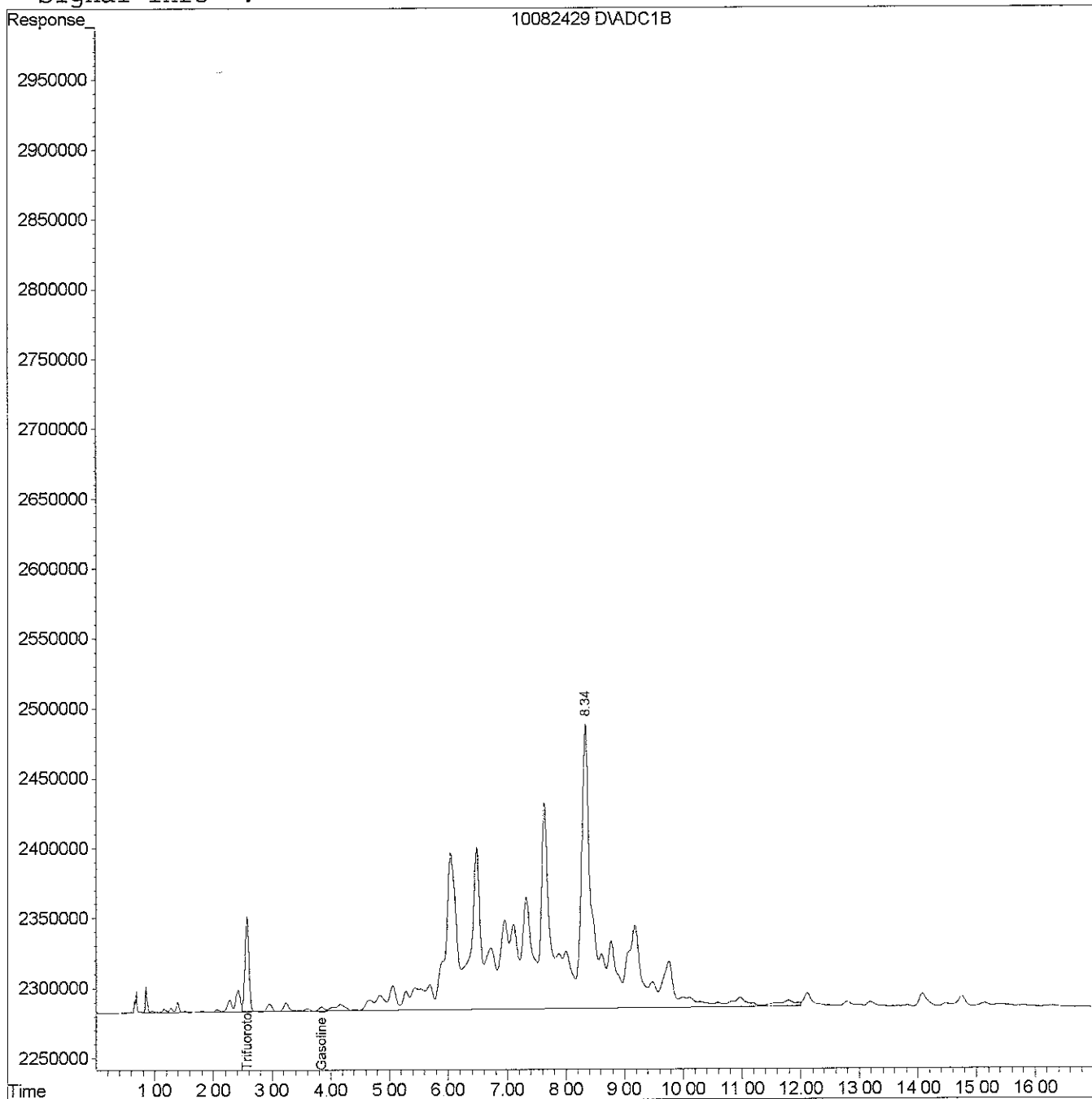
Vial: 24  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 2.00

Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Wed Aug 11 08:14:15 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

4

Volume Inj : 5ml  
Signal Phase :  
Signal Info :



Quantitation Report

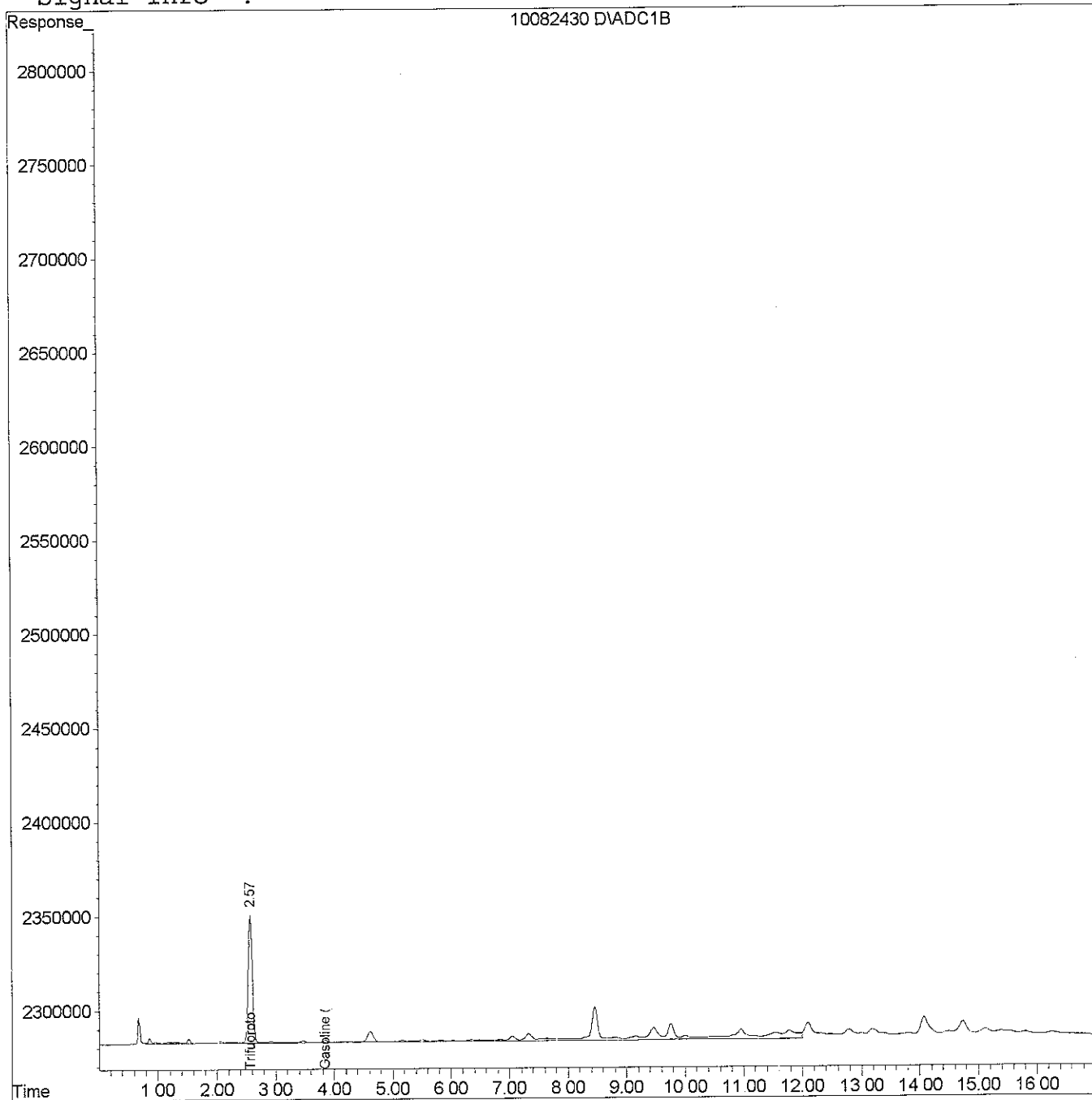
Data File : D:\HPCHEM\1\DATA\082410V4\10082430.D  
Acq On : 25 Aug 2010 13:41  
Sample : 19504-04;TABER  
Misc : W-IND (5ML)  
IntFile : TFT1.E  
Quant Time: Aug 25 13:58 2010

Vial: 25  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Wed Aug 11 08:14:15 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

5

Volume Inj. : 5ml  
Signal Phase :  
Signal Info :



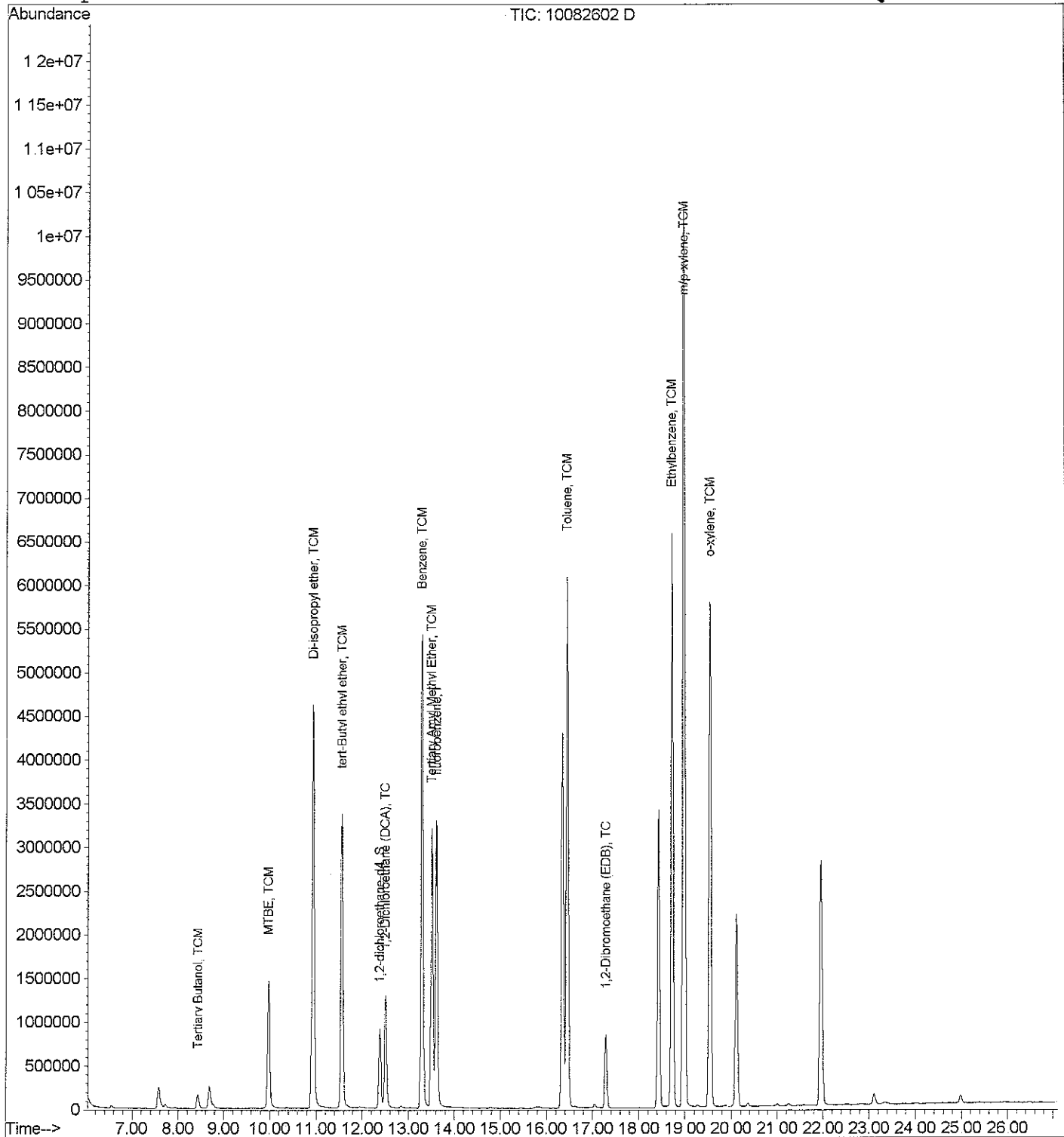
Quantitation Report

Data File : C:\HPCHEM\1\DATA\082610V1\10082602.D  
Acq On : 26 Aug 2010 13:17  
Sample : 50PPB OXY-STD  
Misc : P&T  
MS Integration Params: rteint.p  
Quant Time: Aug 26 13:57 2010

Vial: 2  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 1.00

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration



Quantitation Report

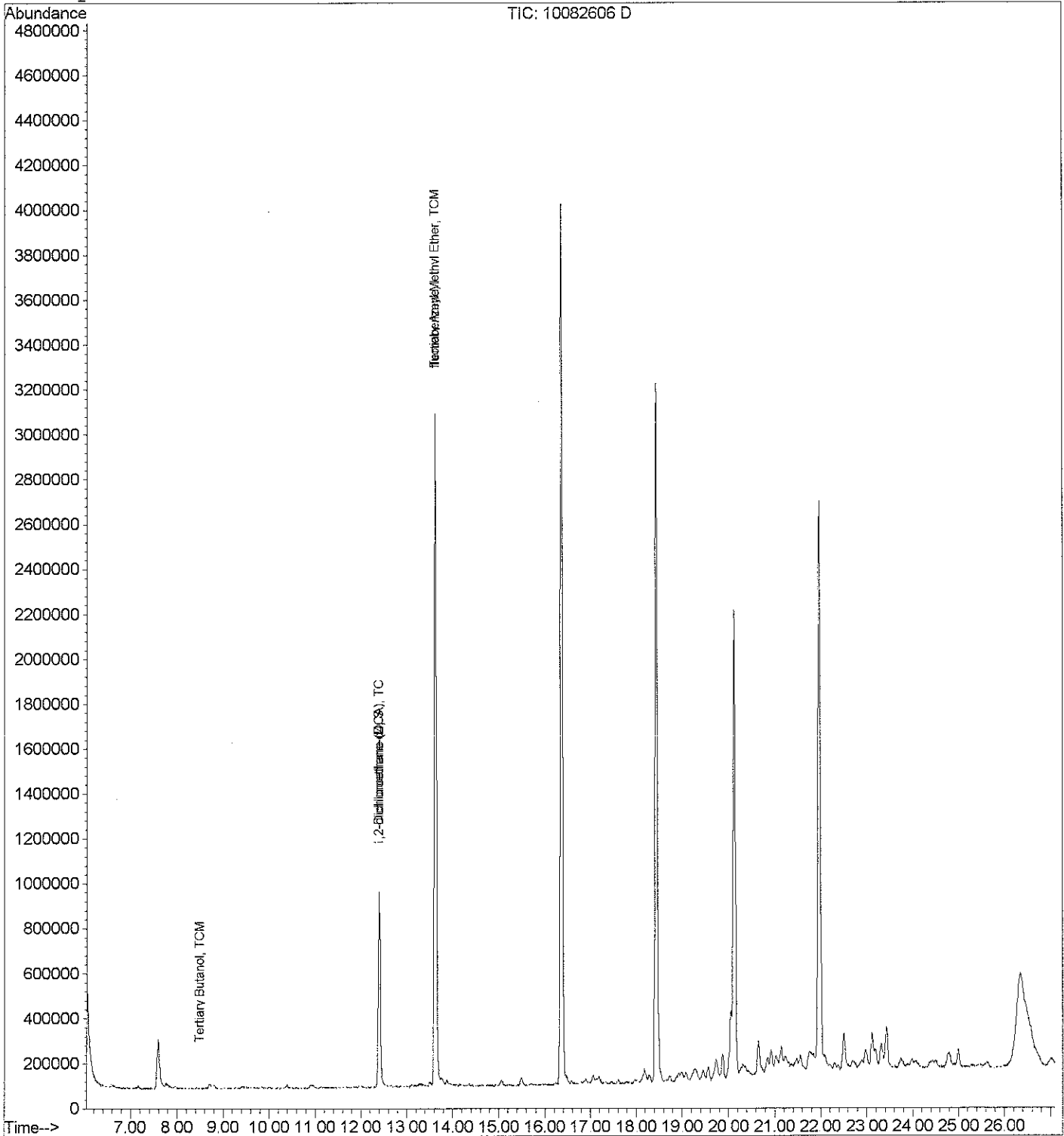
Data File : C:\HPCHEM\1\DATA\082610V1\10082606.D  
Acq On : 26 Aug 2010 16:55  
Sample : 19504-01;TABER  
Misc : MW-1 (50UL/5ML) 1:100  
MS Integration Params: rteint.p  
Quant Time: Aug 26 17:22 2010

Vial: 1  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 100.00

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration

2



Quantitation Report

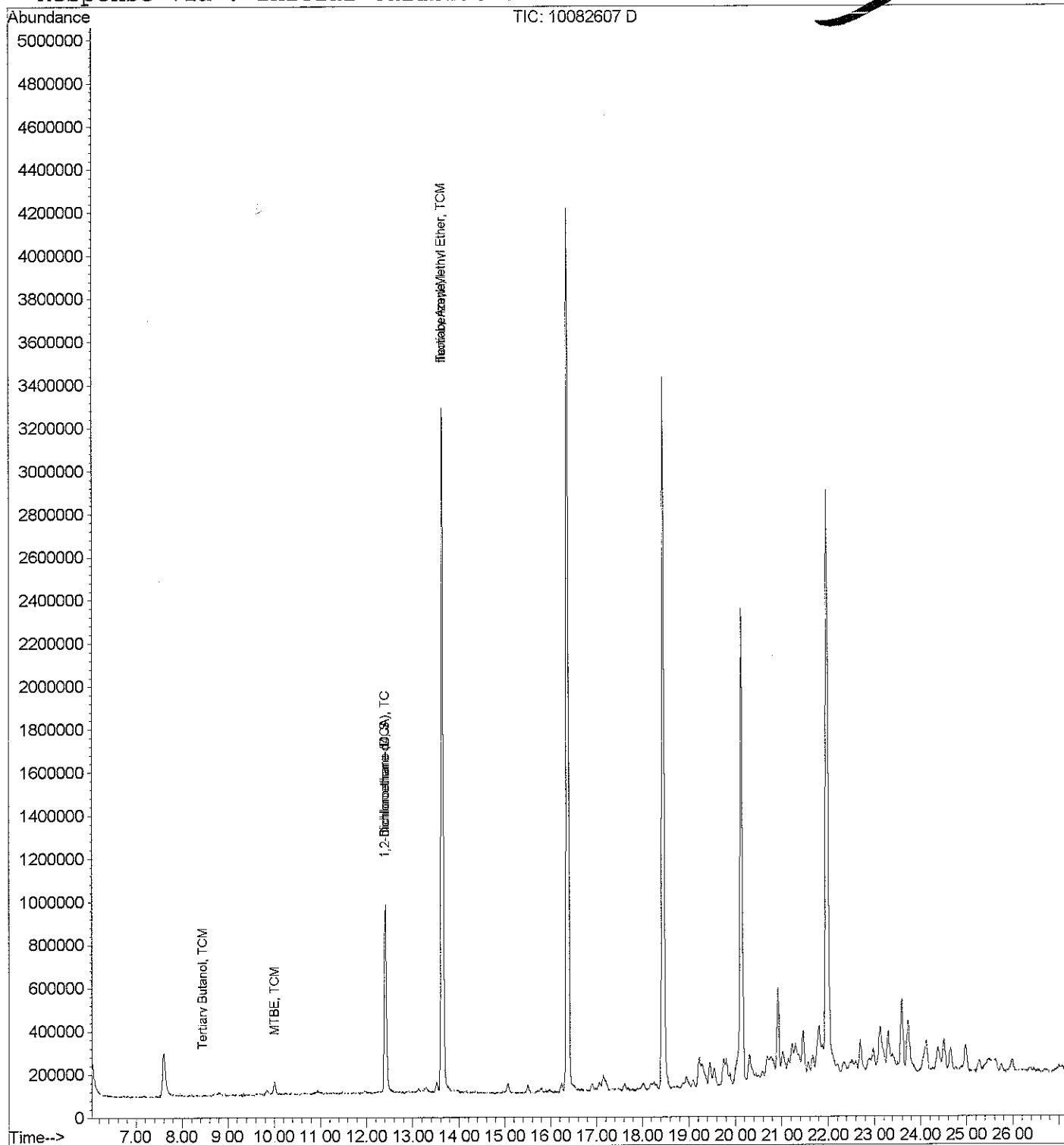
Data File : C:\HPCHEM\1\DATA\082610V1\10082607.D  
Acq On : 26 Aug 2010 17:29  
Sample : 19504-02;TABER  
Misc : MW-2 (5ML)  
MS Integration Params: rteint.p  
Quant Time: Aug 26 17:56 2010

Vial: 2  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 1.00

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration

3





Quantitation Report

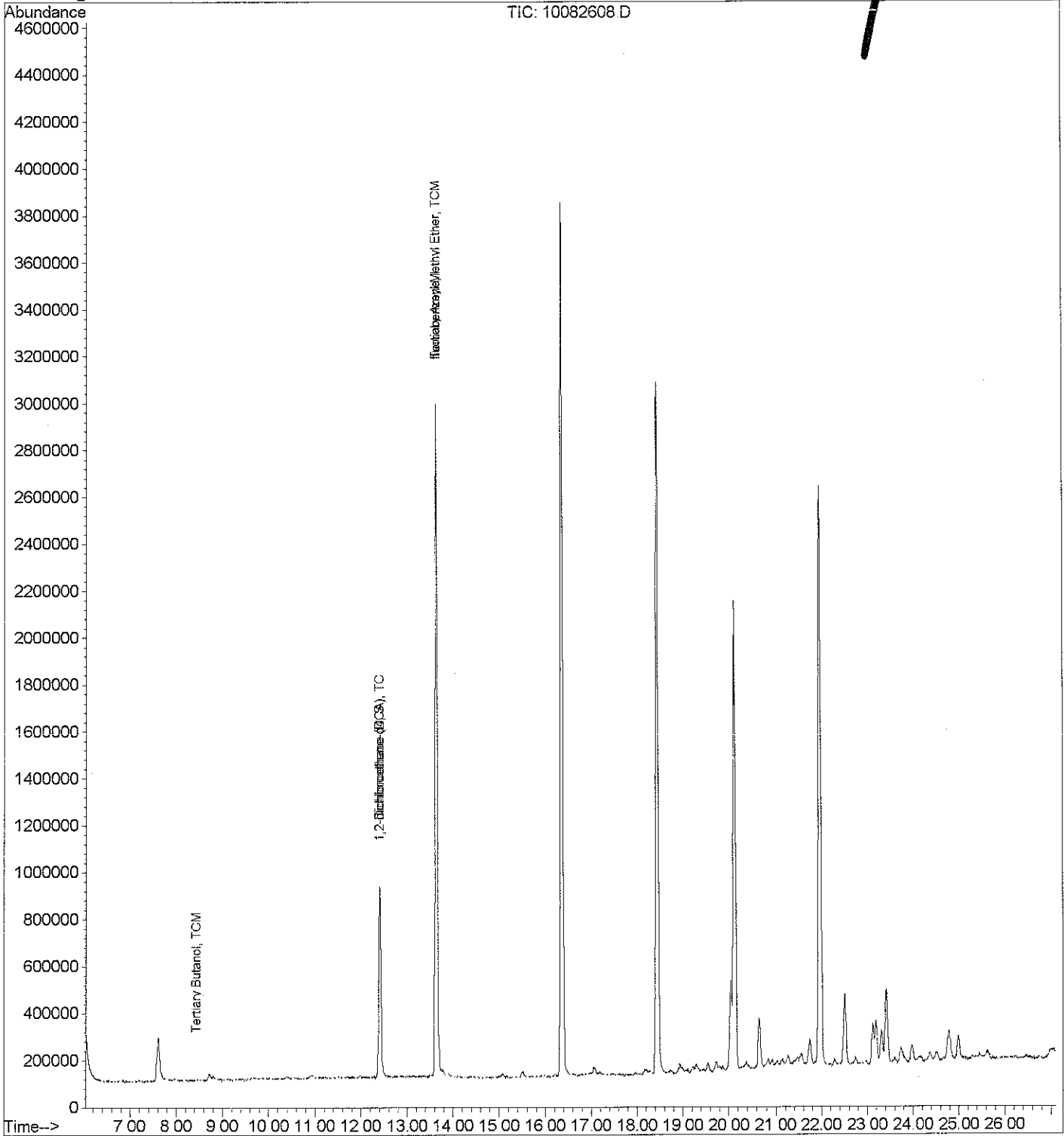
Data File : C:\HPCHEM\1\DATA\082610V1\10082608.D  
Acq On : 26 Aug 2010 18:03  
Sample : 19504-03;TABER  
Misc : MW-3 (100UL/5ML) 1:50  
MS Integration Params: rteint.p  
Quant Time: Aug 26 18:30 2010

Vial: 3  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 50.00

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration

4



Quantitation Report

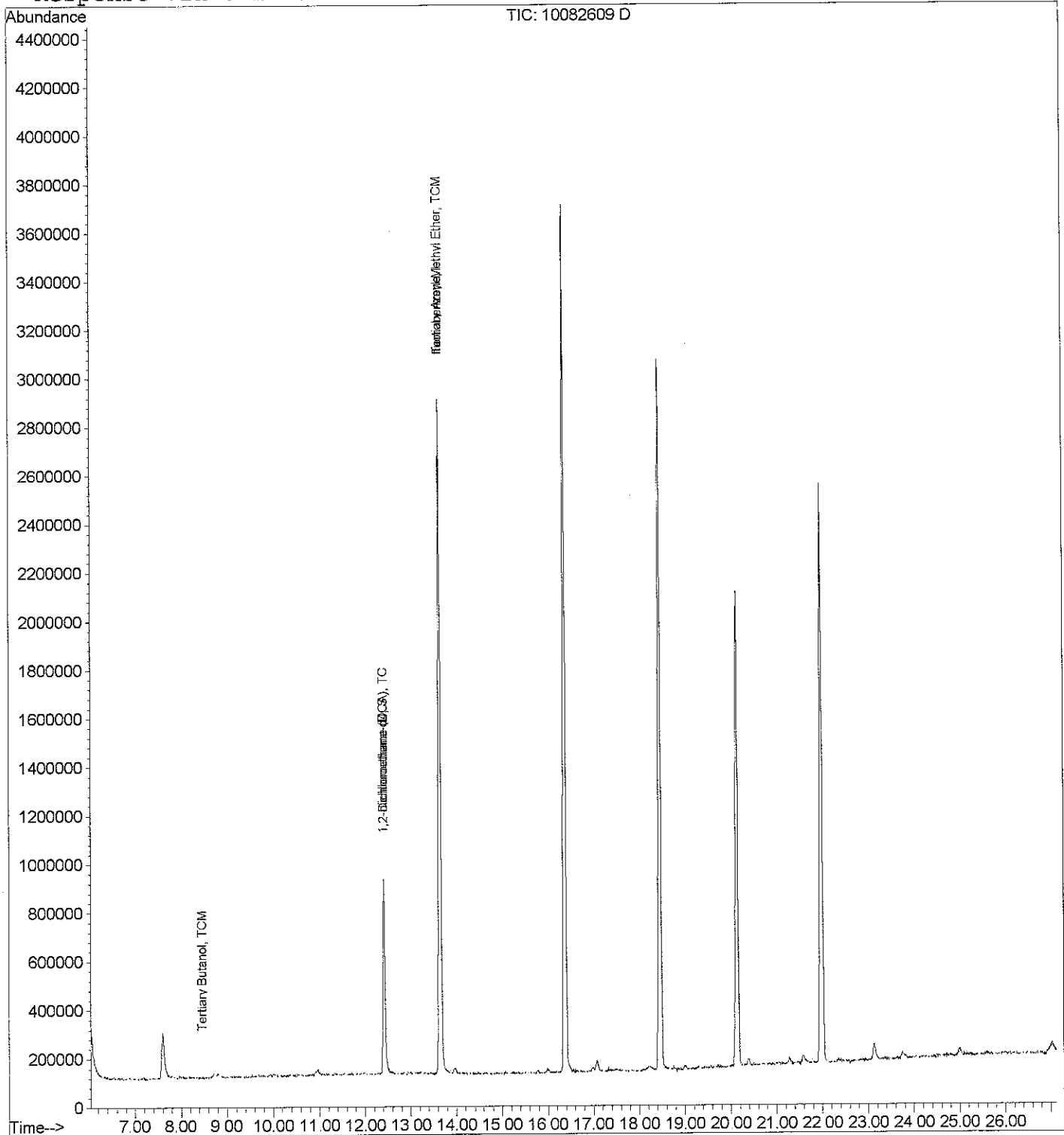
Data File : C:\HPCHEM\1\DATA\082610V1\10082609.D  
Acq On : 26 Aug 2010 18:37  
Sample : 19504-04;TABER  
Misc : W-IND (5ML)  
MS Integration Params: rteint.p  
Quant Time: Aug 26 19:04 2010

Vial: 4  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 1.00

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration

5



*Paulette Satterley  
14601 Guadalupe Dr.  
Rancho Murieta, Ca 95683  
Telephone 916-768-2003*

October 20, 2010

Ms. Barbara Jakub  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

Re: Fuel Leak Case No: RO0000133

Enclosed please find the chromatogram results from groundwater monitoring done March 17, 2010 for the former City of Paris Cleaners site located at 3516 Adeline Street, Oakland, CA 94608. This report was prepared by Sparger Technology, Inc. Sacramento, California.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,



Paulette Satterley



Taber Consultants  
3911 West Capitol Avenue  
West Sacramento, CA 95691-2116  
**(916) 371-1690**  
(707) 575-1568  
Fax (916) 371-7265

October 18, 2010

Ms. Barbara Jakub  
Alameda County Health Care Services Agency  
1131 Harbor Parkway, #250  
Alameda, CA 94502

**RE: CITY OF PARIS FIRST SAMR CHROMATROGRAPHS**  
**3516 Adeline Street**  
**Oakland, CA**  
Project No. 051074

Dear Barb:

Please find enclosed the chromatographs for the *First Semi-Annual Monitoring Report* to accompany the analytical laboratory report.

Sincerely,

*Taber Consultants*

Ellen Pyatt, MSc.  
Project Geologist

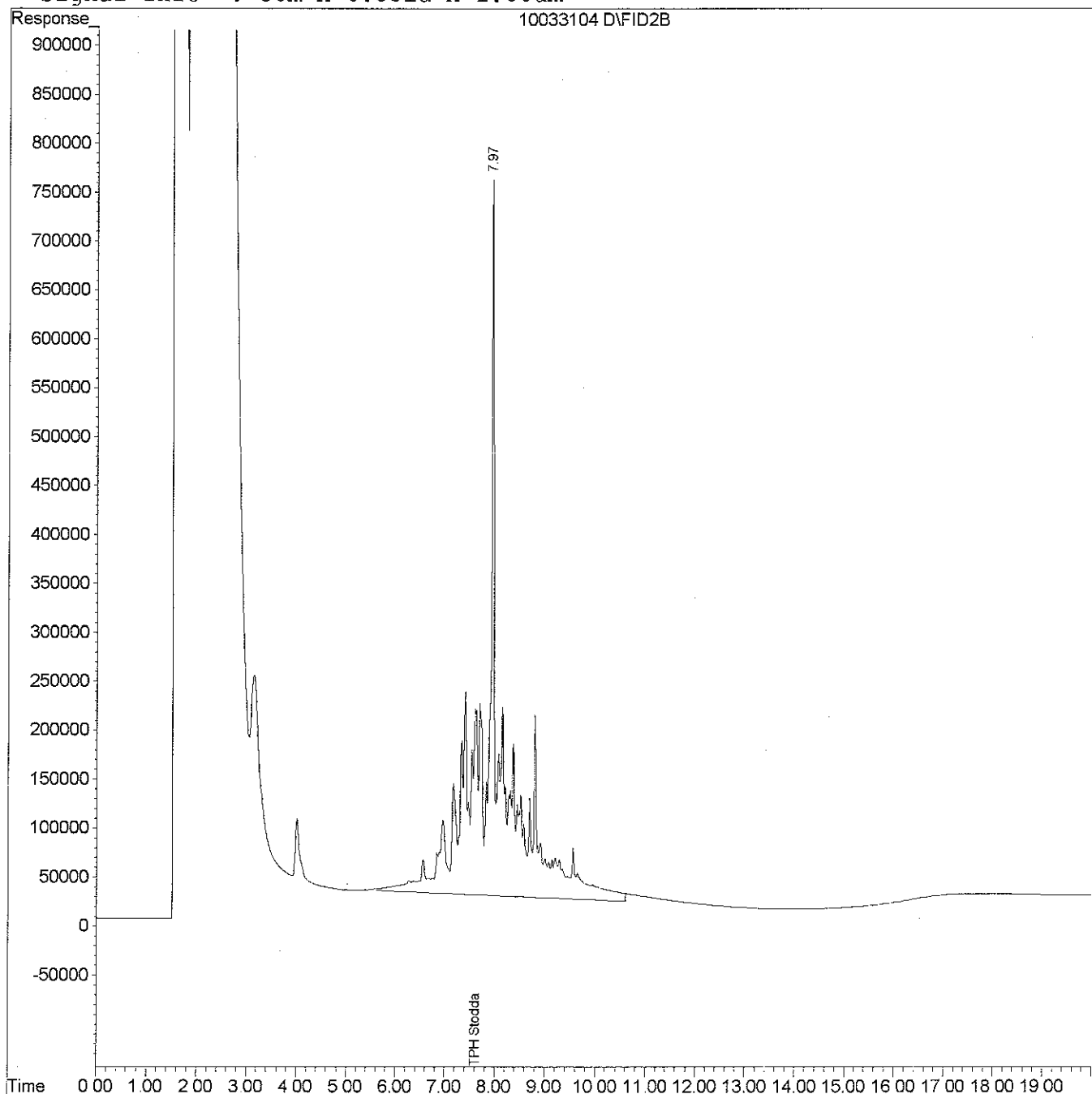
Quantitation Report

Data File : C:\HPCHEM\2\DATA\033110A\10033104.D  
Acq On : 31 Mar 2010 11:44  
Sample : 1000PPM TPH SSD STD  
Misc : 1000PPM TPH SSD STD (2uL)  
IntFile : EVENTS2.E  
Quant Time: Mar 31 12:40 2010 Quant Results File: TPHST1B.RES

Vial: 4  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 0.50

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um



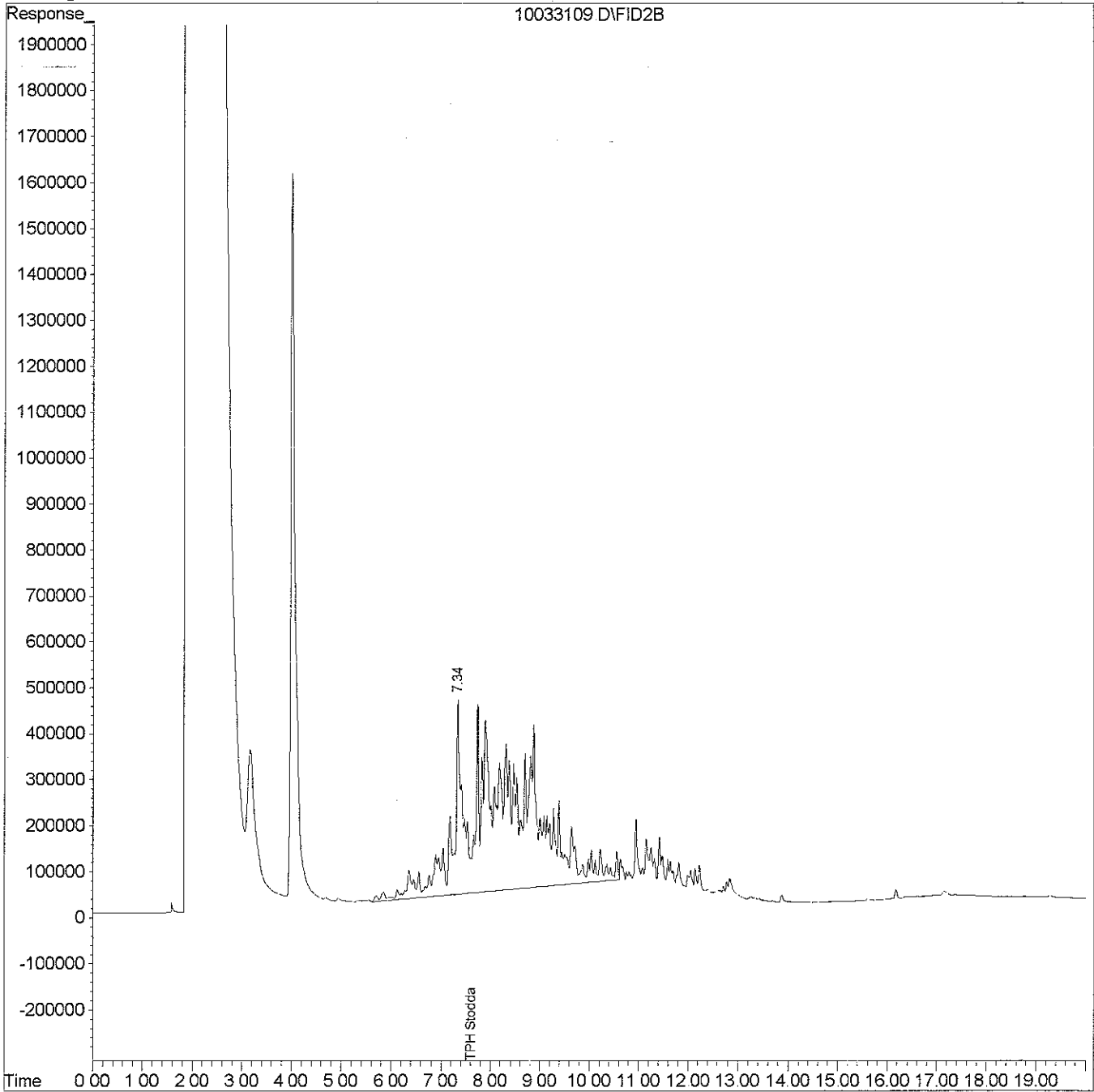
Quantitation Report

Data File : C:\HPCHEM\2\DATA\033110A\10033109.D  
Acq On : 31 Mar 2010 17:01  
Sample : 19242-1;TABER  
Misc : MW-1 (500ML/1ML) 1:2  
IntFile : EVENTS2.E  
Quant Time: Apr 1 8:08 2010 Quant Results File: TPHST1B.RES

Vial: 9  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um

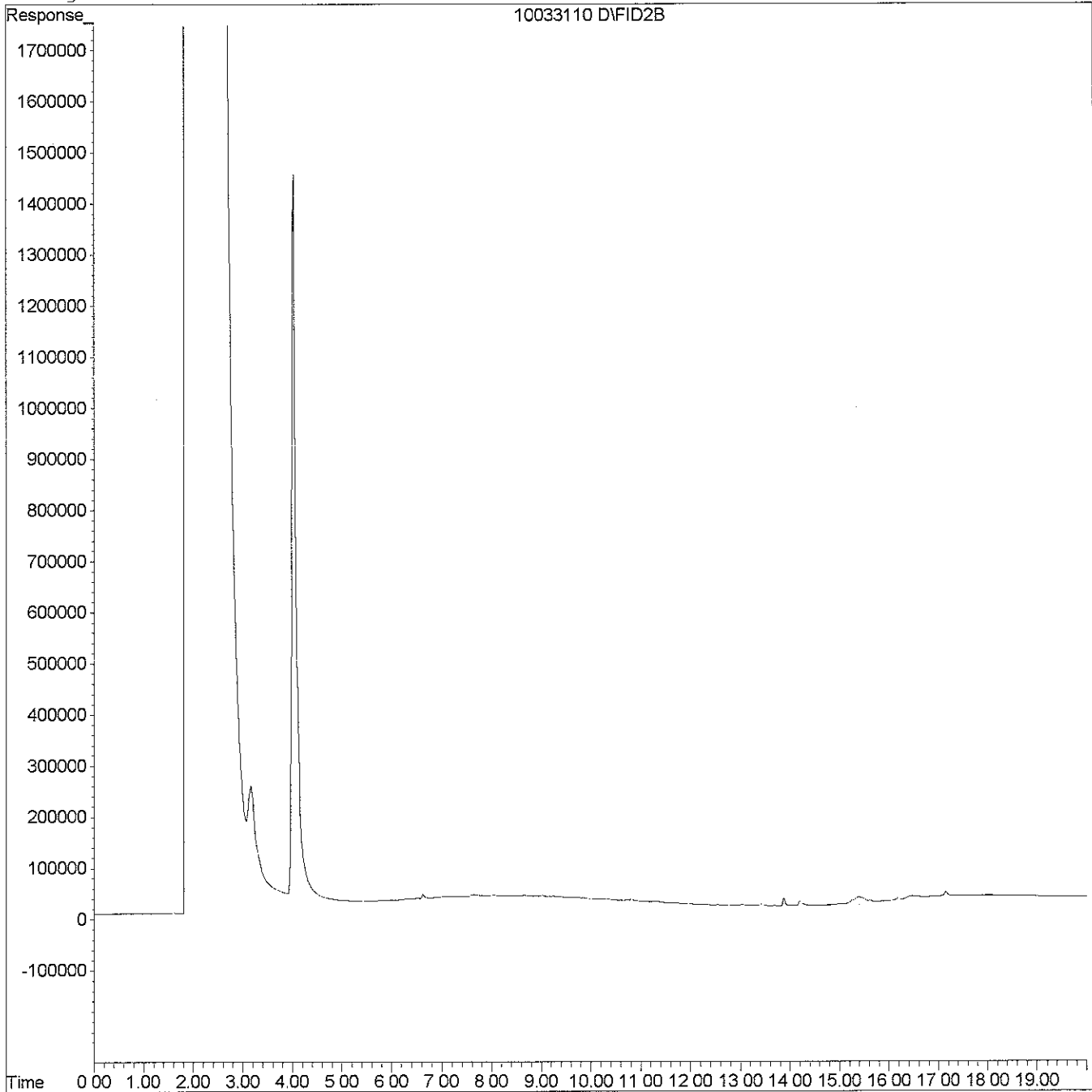


Quantitation Report

Data File : C:\HPCHEM\2\DATA\033110A\10033110.D Vial: 10  
Acq On : 31 Mar 2010 17:29 Operator: R.L. JAMES  
Sample : 19242-2;TABER Inst : HP-FID  
Misc : MW-2 (500ML/1ML) 1:2 Multiplr: 1.00  
IntFile : EVENTS2.E  
Quant Time: Apr 1 8:44 2010 Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um



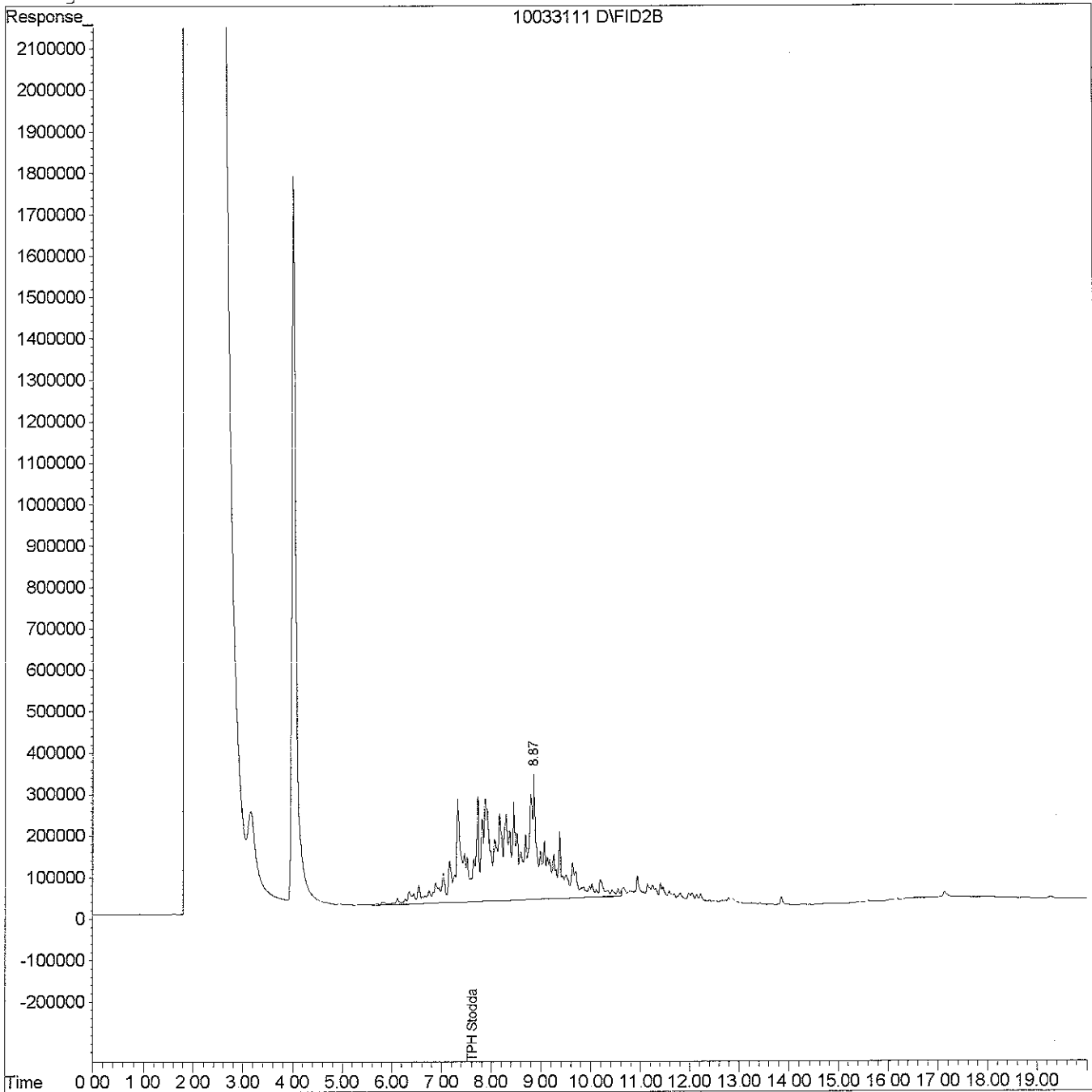
Quantitation Report

Data File : C:\HPCHEM\2\DATA\033110A\10033111.D  
Acq On : 31 Mar 2010 17:57  
Sample : 19242-3;TABER  
Misc : MW-3 (500ML/1ML) 1:2  
IntFile : EVENTS2.E  
Quant Time: Apr 1 8:08 2010 Quant Results File: TPHST1B.RES

Vial: 11  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um



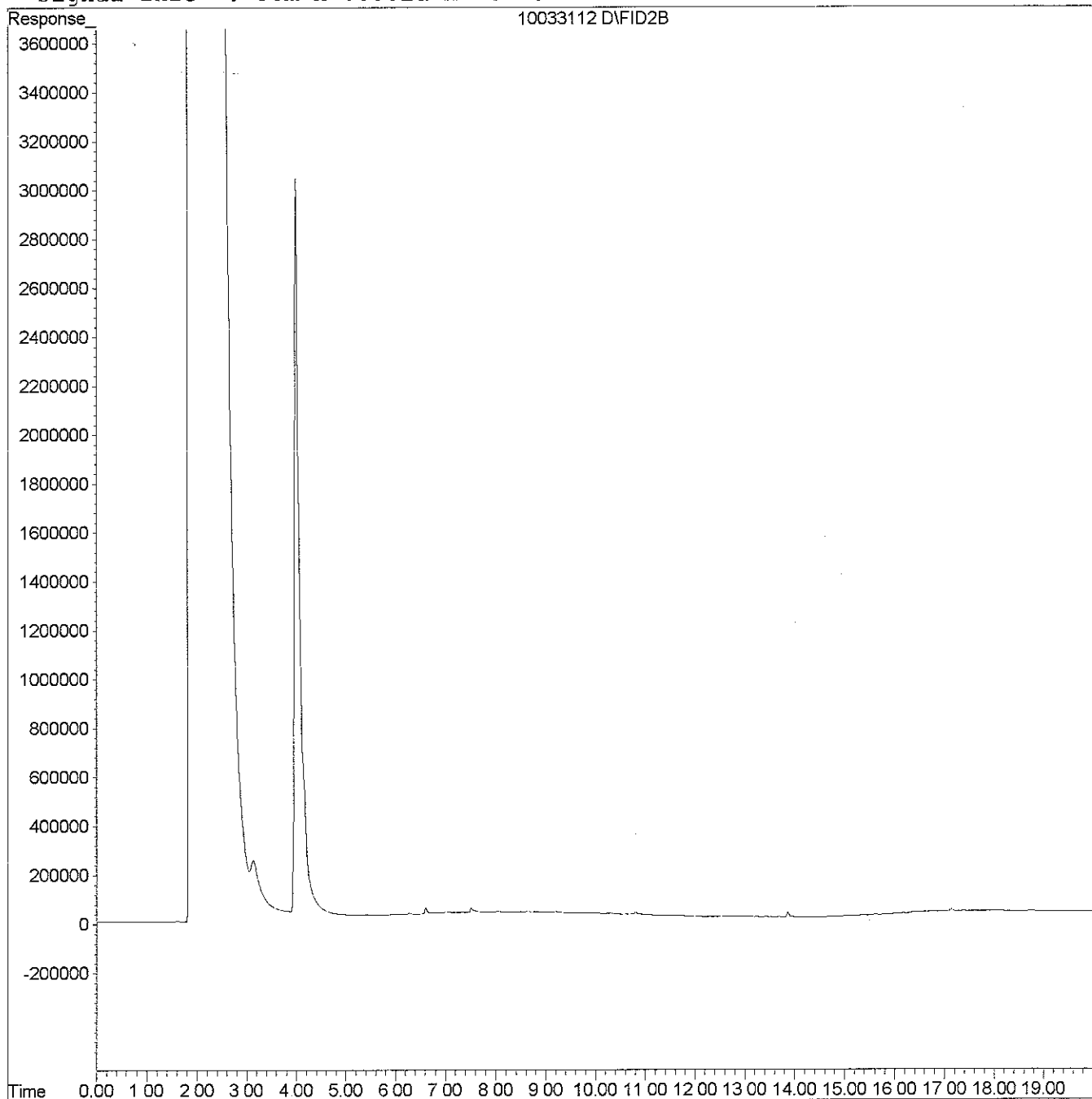


Quantitation Report

Data File : C:\HPCHEM\2\DATA\033110A\10033112.D Vial: 12  
Acq On : 31 Mar 2010 18:25 Operator: R.L. JAMES  
Sample : 19242-4;TABER Inst : HP-FID  
Misc : W-IND (500ML/1ML) 1:2 Multiplr: 1.00  
IntFile : EVENTS2.E  
Quant Time: Apr 1 8:45 2010 Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed Jun 11 11:22:01 2008  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL  
Signal Phase : J&W DB-5  
Signal Info : 30m X 0.53id X 1.00um



Quantitation Report

Data File : D:\HPCHEM\1\DATA\031810V4\10031802.D  
Acq On : 18 Mar 2010 16:18  
Sample : 1.0PPM TPHgas  
Misc : P&T (5ML)  
IntFile : TFT1.E  
Quant Time: Mar 18 16:35 2010

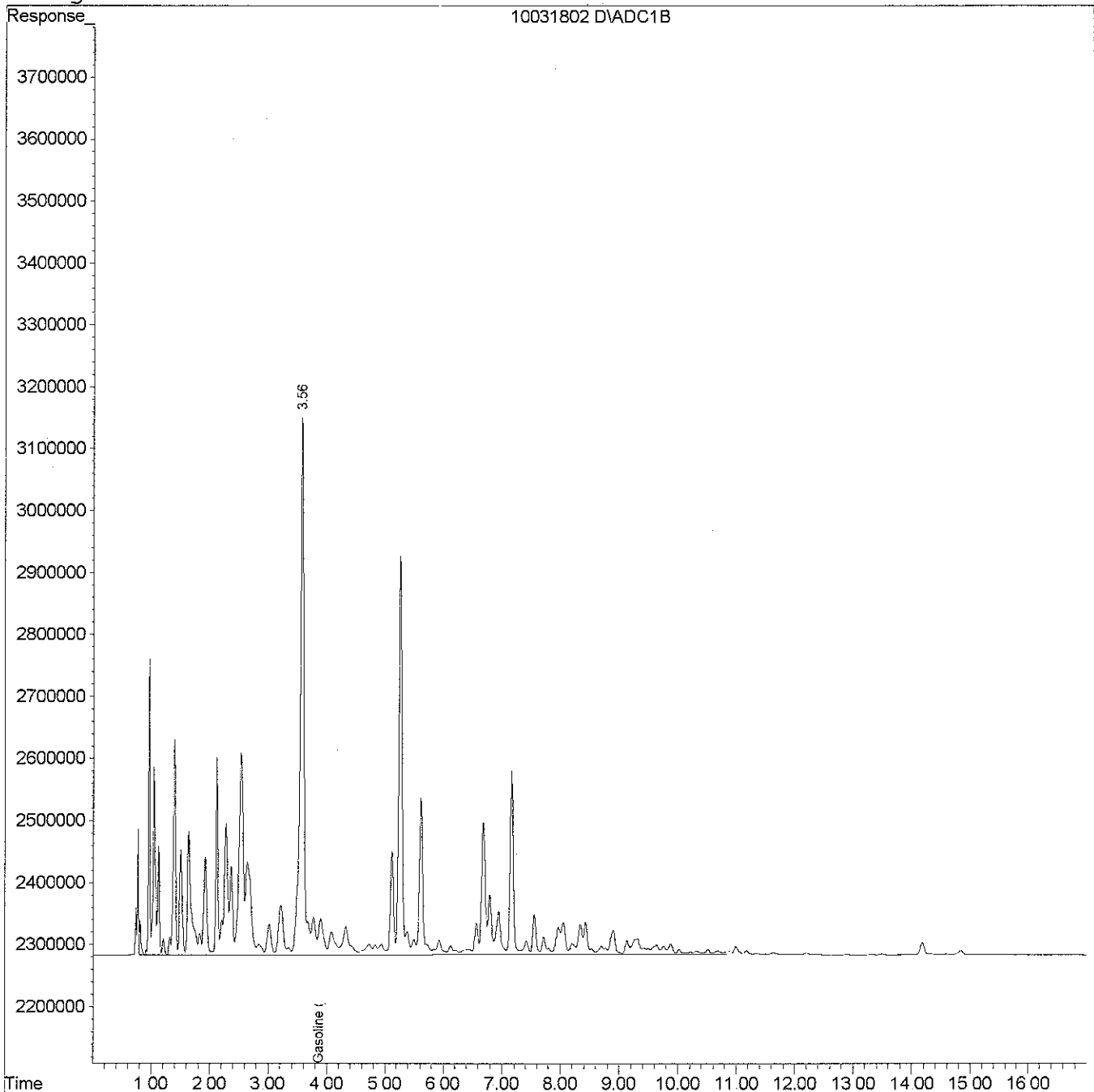
Vial: 2  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20



Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Sat Mar 13 09:40:31 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

Volume Inj. : 5ml  
Signal Phase :  
Signal Info :



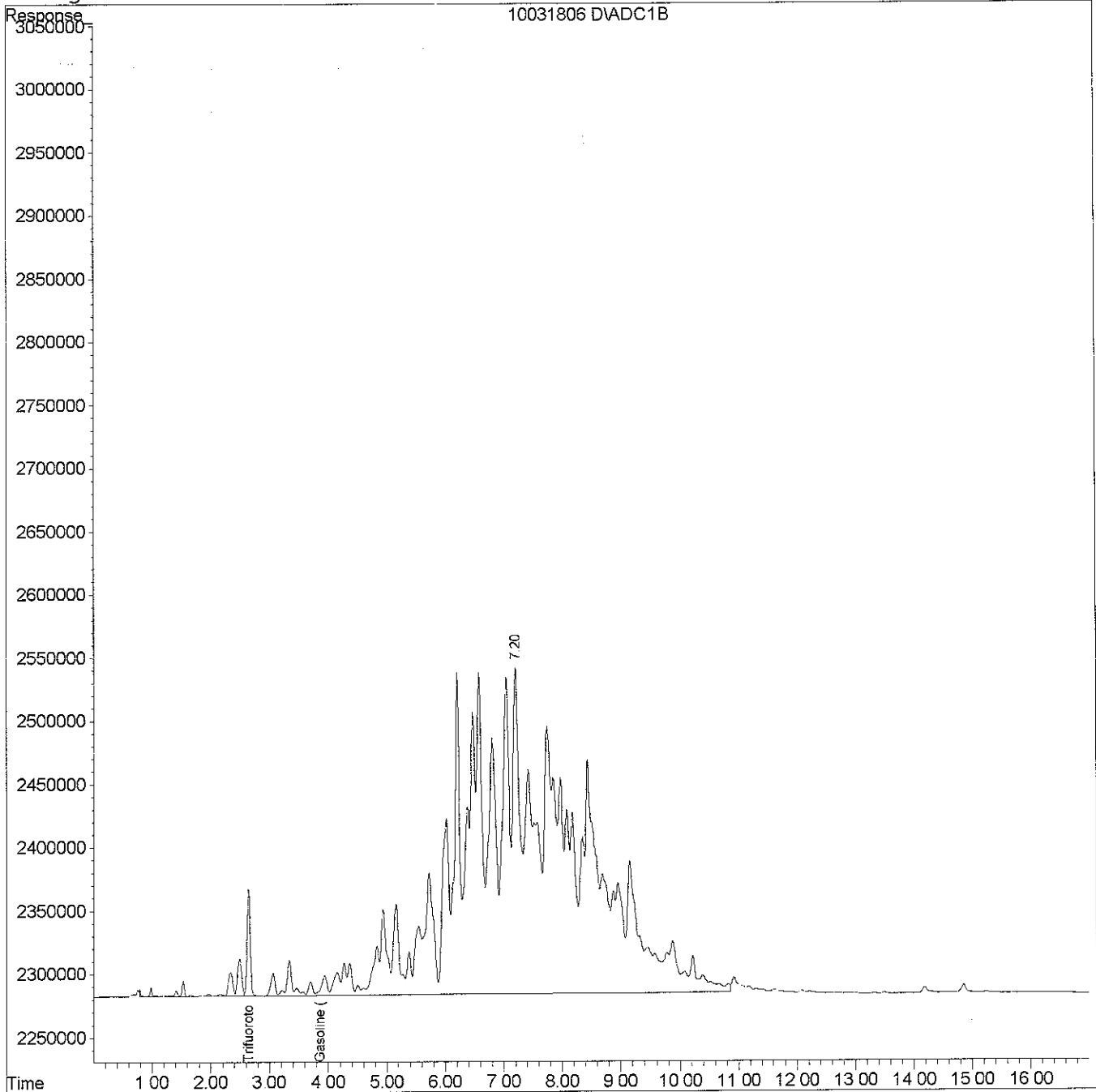
Quantitation Report

Data File : D:\HPCHEM\1\DATA\031810V4\10031806.D  
Acq On : 18 Mar 2010 18:26  
Sample : 19242-01;TABER  
Misc : MW-1 (500UL/5ML) 1:10  
IntFile : TFT1.E  
Quant Time: Mar 18 18:43 2010

Vial: 4  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 2.00

2

10031806.D\ADC1B



Quantitation Report

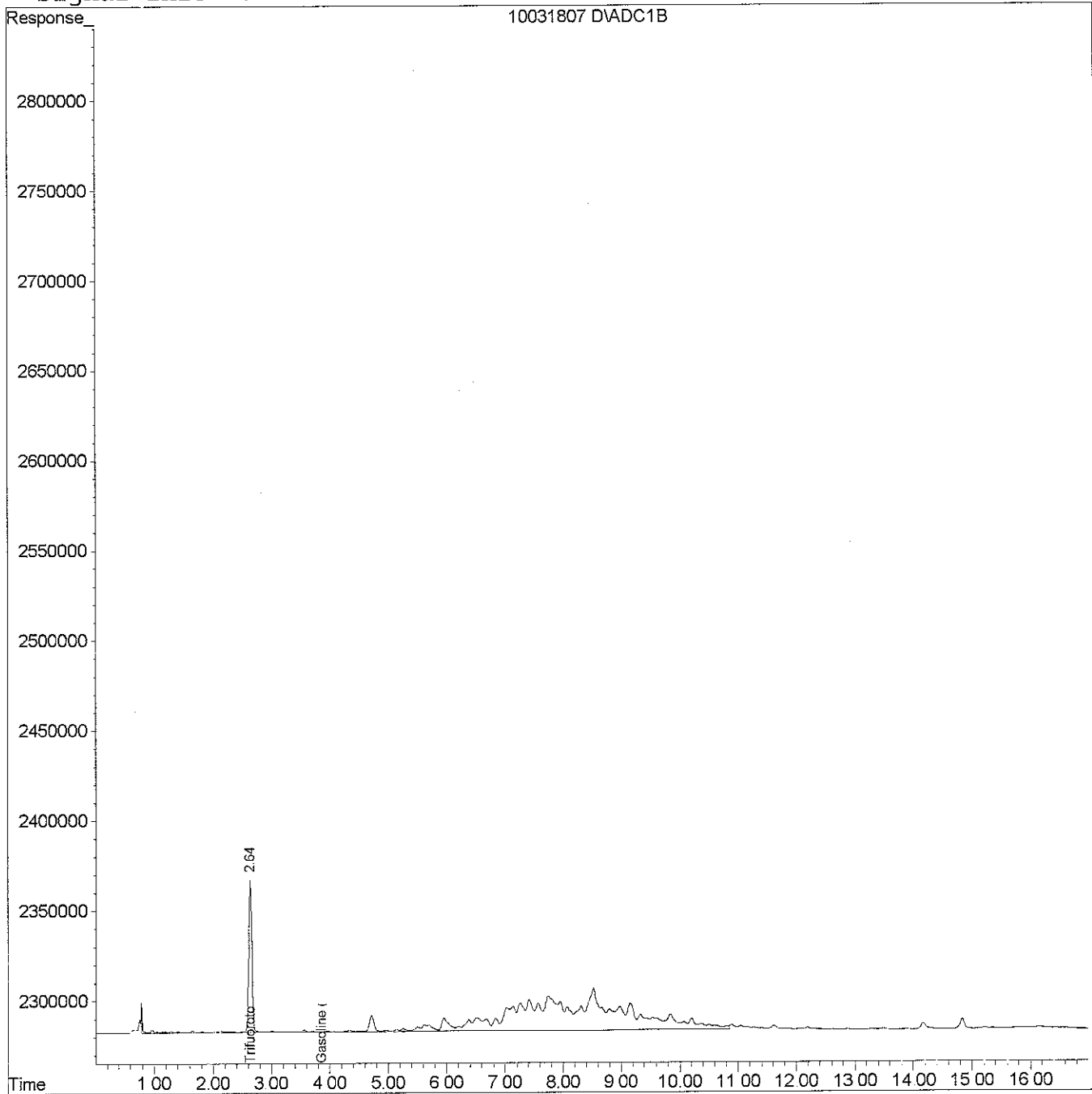
Data File : D:\HPCHEM\1\DATA\031810V4\10031807.D  
Acq On : 18 Mar 2010 18:53  
Sample : 19242-02;TABER  
Misc : MW-2 (5ML)  
IntFile : TFT1.E  
Quant Time: Mar 18 19:10 2010

Vial: 5  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20

3

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Sat Mar 13 09:40:31 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

Volume Inj. : 5ml  
Signal Phase :  
Signal Info :



Quantitation Report

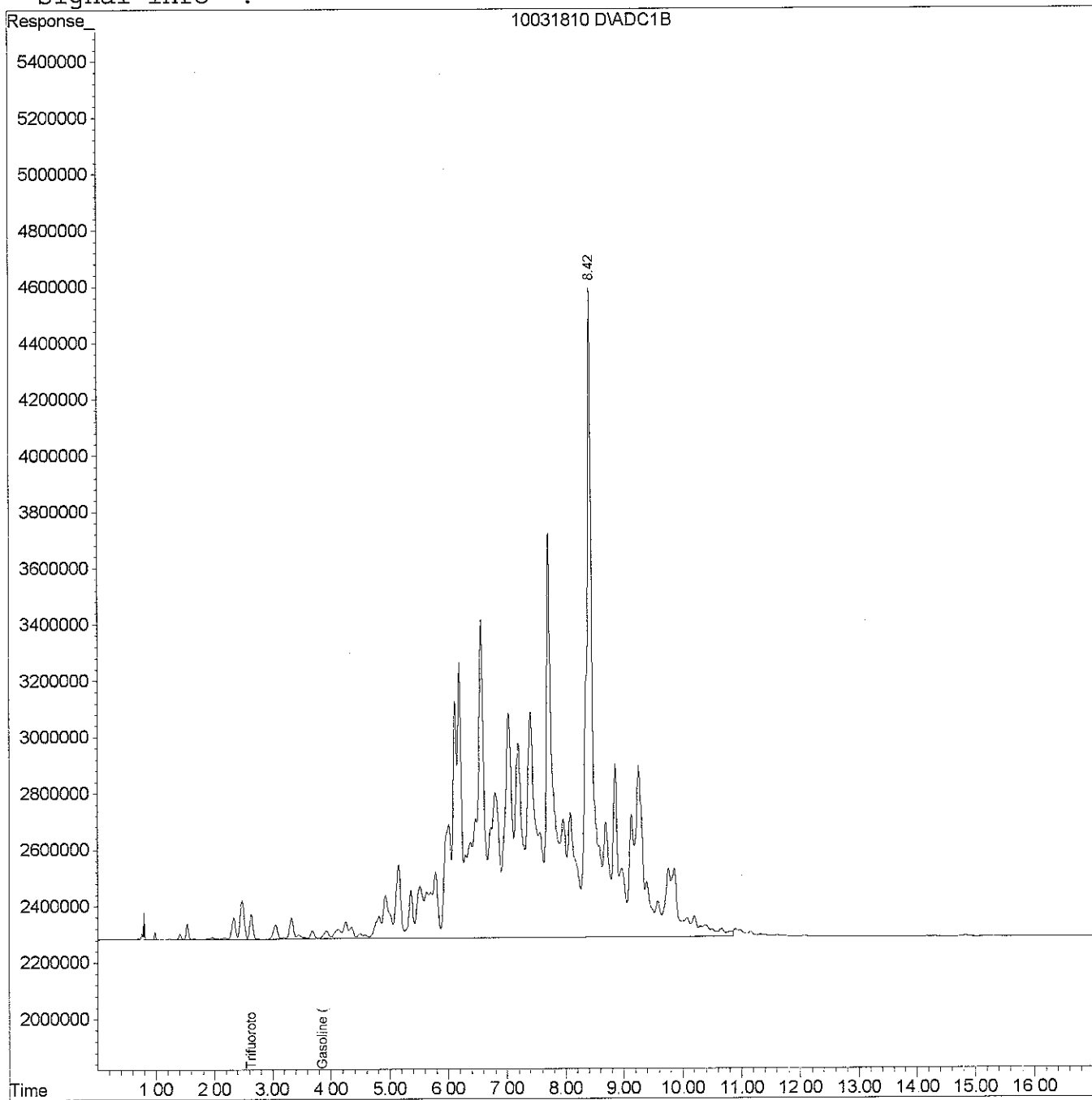
Data File : D:\HPCHEM\1\DATA\031810V4\10031810.D  
Acq On : 18 Mar 2010 20:15  
Sample : 19242-03;TABER  
Misc : MW-3 (5ML)  
IntFile : TFT1.E  
Quant Time: Mar 18 20:32 2010

Vial: 8  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20

4

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Sat Mar 13 09:40:31 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

Volume Inj. : 5ml  
Signal Phase :  
Signal Info :



Quantitation Report

Data File : D:\HPCHEM\1\DATA\031810V4\10031811.D  
Acq On : 18 Mar 2010 20:43  
Sample : 19242-04;TABER  
Misc : W-IND (5ML)  
IntFile : TFT1.E  
Quant Time: Mar 18 21:00 2010

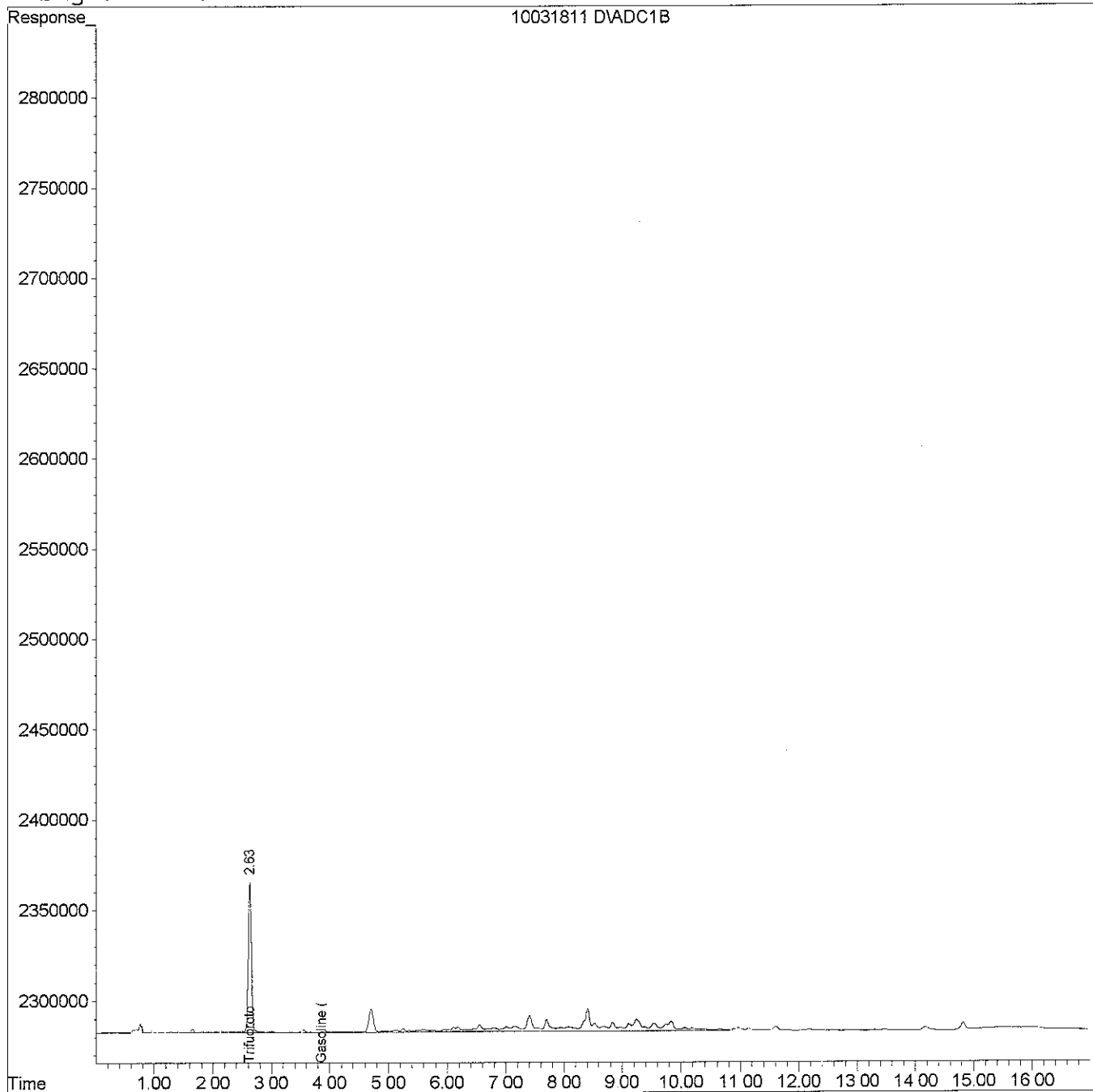
Vial: 9  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20

5

Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Sat Mar 13 09:40:31 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

Volume Inj. : 5ml  
Signal Phase :  
Signal Info :



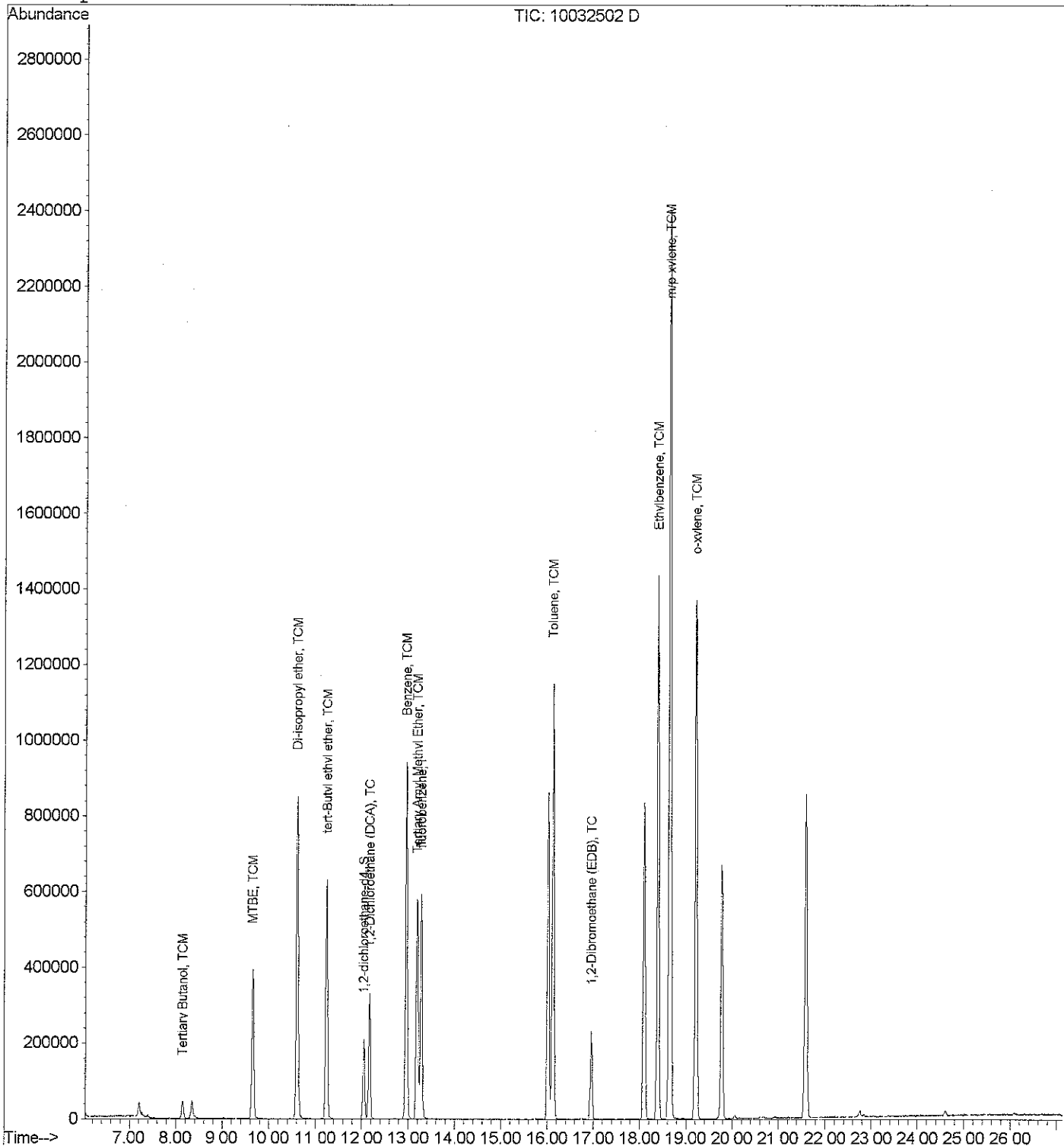
Quantitation Report

Data File : C:\HPCHEM\1\DATA\032510V1\10032502.D  
Acq On : 25 Mar 2010 9:35  
Sample : 50PPB OXY-STD  
Misc : P&T  
MS Integration Params: rteint.p  
Quant Time: Mar 25 13:03 2010

Vial: 2  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 1.00

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration



Quantitation Report

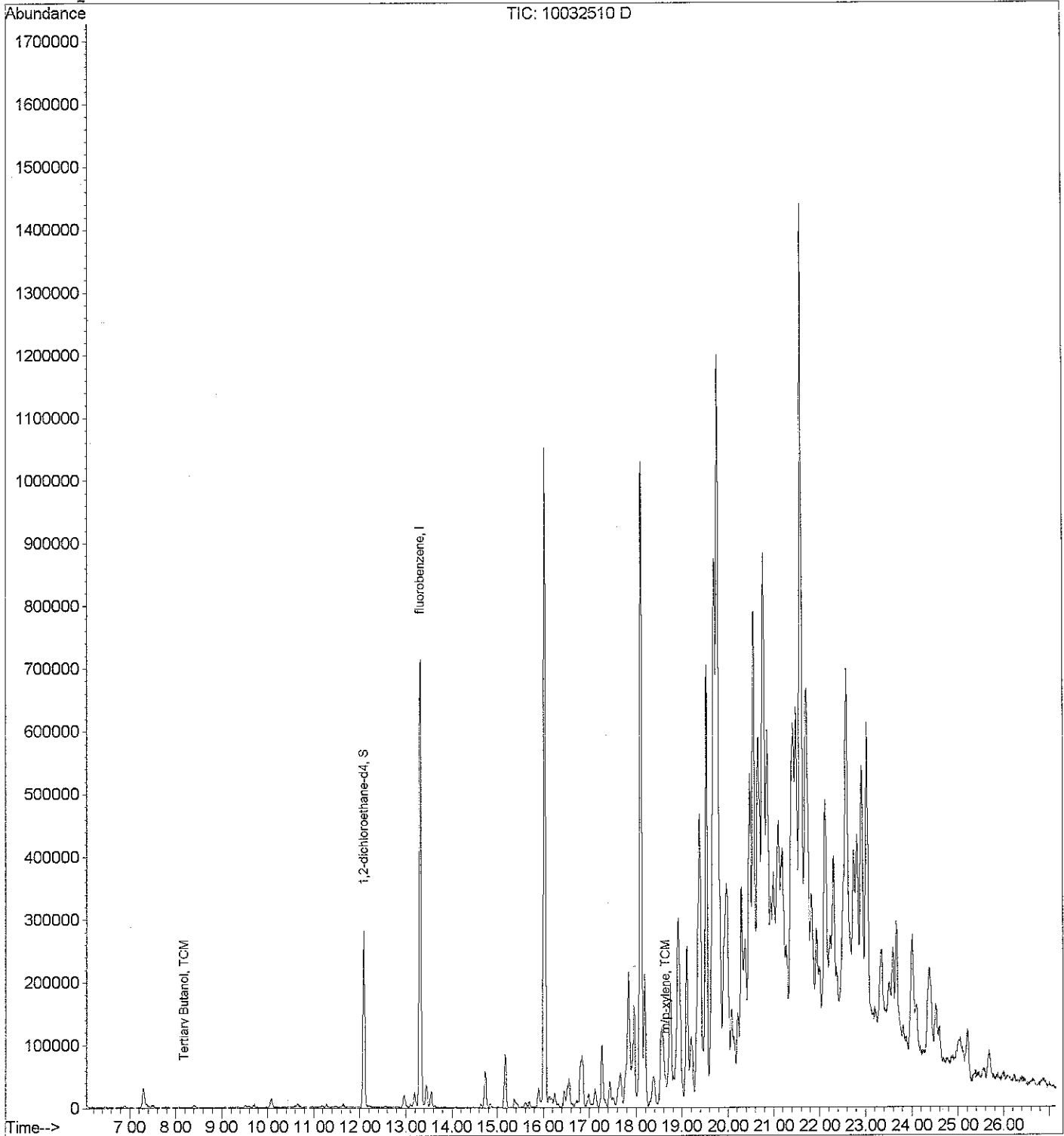
Data File : C:\HPCHEM\1\DATA\032510V1\10032510.D  
Acq On : 25 Mar 2010 15:05  
Sample : 19242-01;TABER  
Misc : MW-1 (250UL/5ML) 1:20  
MS Integration Params: rteint.p  
Quant Time: Mar 25 15:32 2010

Vial: 4  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 20.00

2

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration





Quantitation Report

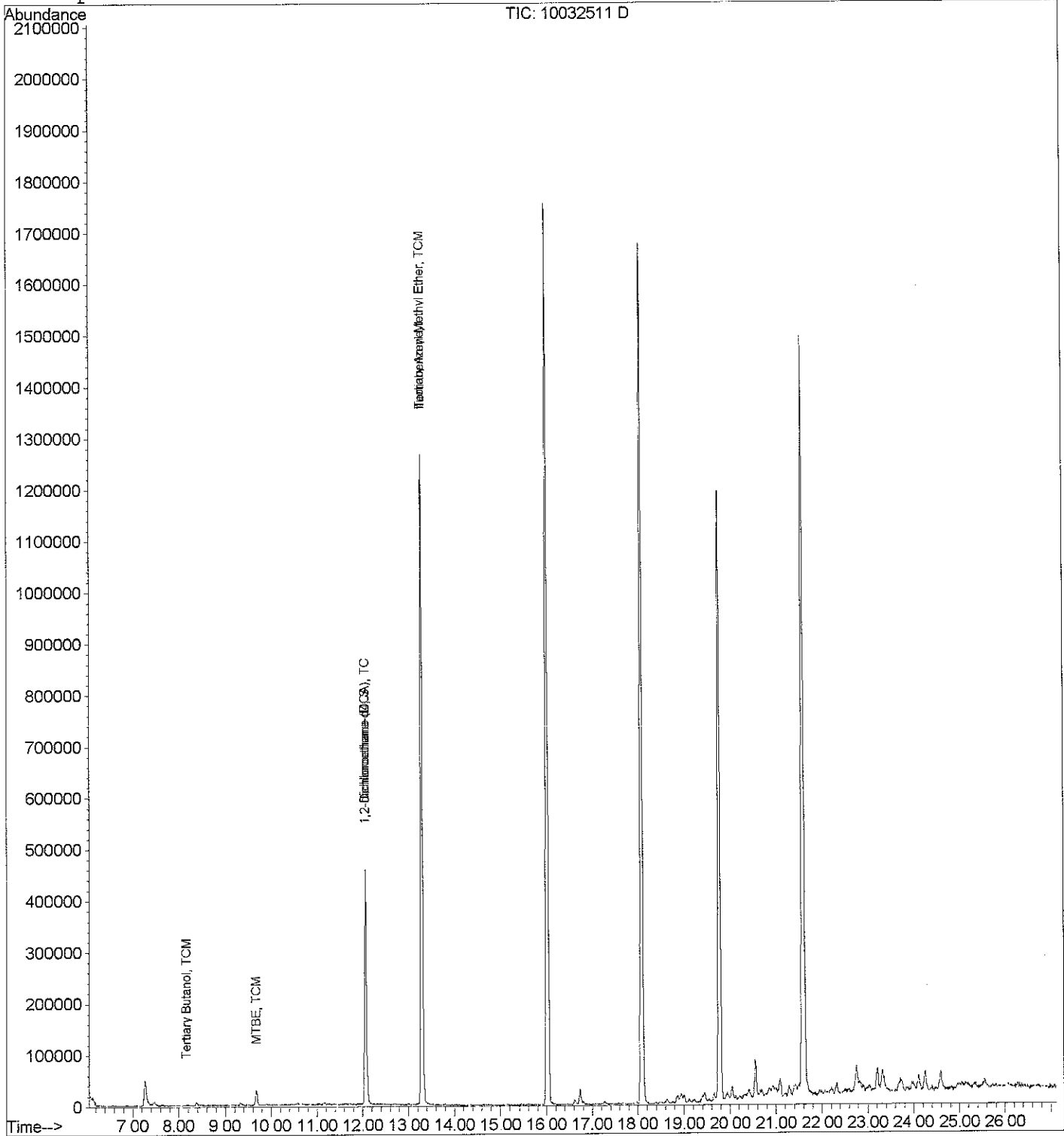
Data File : C:\HPCHEM\1\DATA\032510V1\10032511.D  
Acq On : 25 Mar 2010 15:39  
Sample : 19242-02;TABER  
Misc : MW-2 (5ML)  
MS Integration Params: rteint.p  
Quant Time: Mar 25 16:06 2010

Vial: 5  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 1.00

3

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration



Quantitation Report

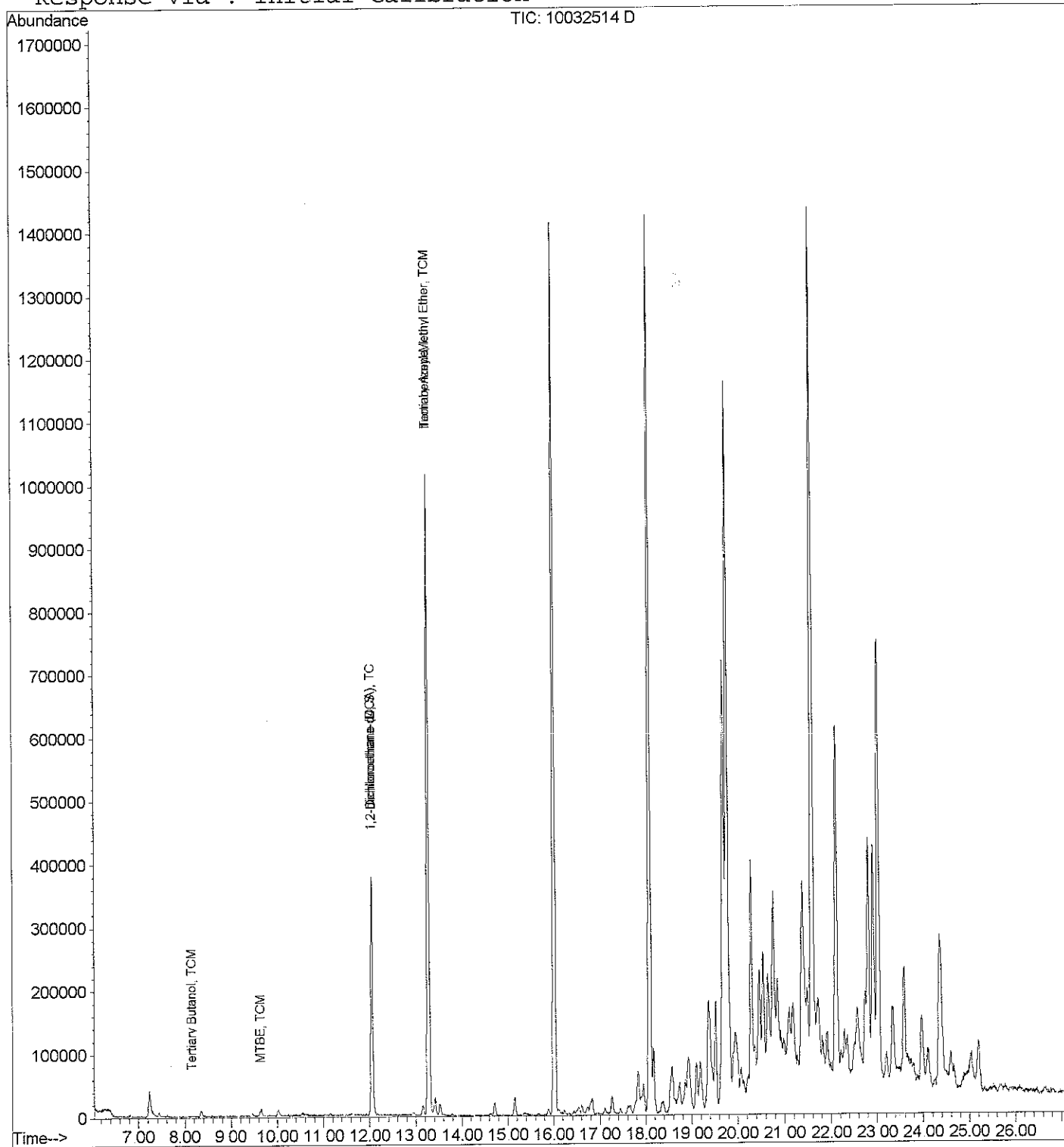
Data File : C:\HPCHEM\1\DATA\032510V1\10032514.D  
Acq On : 25 Mar 2010 17:19  
Sample : 19242-03;TABER  
Misc : MW-3 (500UL/5ML) 1:10  
MS Integration Params: rteint.p  
Quant Time: Mar 25 17:46 2010

Vial: 8  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 10.00

4

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\032510V1\10032515.D  
Acq On : 25 Mar 2010 17:53  
Sample : 19242-04;TABER  
Misc : W-IND (5ML)  
MS Integration Params: rteint.p  
Quant Time: Mar 25 18:20 2010

Vial: 9  
Operator: R.L. JAMES  
Inst : GCMSVOA1  
Multiplr: 1.00

5

Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)  
Title : GCMS-VOA#1-OXYGENATES  
Last Update : Mon Oct 11 10:41:50 2010  
Response via : Initial Calibration

